"OKW/Chi Interception"

15 (AC)

CORRESPONDENCE BETWEEN OKW/CHI & INTERCEPT STATIONS ON THE INTERCEPTION OF DIPLOMATIC TRAFFIC

1. Attached are translations of correspondence between OKW/Chi and the intercept stations LAUF, TREUENBRIETZEN and TENNENLOHE, selected from part of the OKW/Chi archives.

2. This particular batch of messages was taken from a file registered as TICOM document T.804. They give a good insight into OKW coverage of world-wide diplomatic and civil traffic between 1939 and 1944. There are also a few references to the interception of Services traffic.

3. The messages are arranged chronologically within each of the following main sections:

1) U.S.A.
2) United Kingdom
3) Sweden
4) Italy
5) France
6) Miscellaneous Traffic and General Organisation.

4. Some of the correspondence naturally contains references to enclosures, appendices or earlier communications, etc., which are no longer available.

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SECTION 1

Traffic of the U.S.A.

1.

OKW Chi

Münster - St. Mauritz, 22/11/41.

Techn. Outstation

Warendorferstrasse 263.

Techn. outstation wishes to know which wireless stations monitored by you send telephony, or at what times such transmissions are observed. For example on 21/11 at 1500 there were transmissions from stn. Rocky Point/USA wqv 14800 kcs and at 2120 hrs from stn. Lawrenceville wmn 14590 kcs, both in English and stated by Chi OKW to be important. For purpose of intercepting such transmissions the Techn. outstation would be grateful for observations made at your end.

To Fixed Intercept Stn. Treuenbrietzen
" " " Lauf

2.

23/12/41 To FSR Stn. Lauf, Signals Intercept Stn. Treuenbrietzen.

The wireless traffic still existing according to daily reports between Italy and USA and vice versa is to be most carefully monitored, not only message but also contact traffic, and included in daily reports with all data of importance. Encyphered and P/L messages intercepted are to be sent to Chi at once by T/P.

Chi. sgd. Strohmeyer, Major.

3.

OKW Chi

Berlin 5/1/42.

E 17a/V

No. 91/42 Secr.

Ref. American transmitters monitored with difficulty.

Appendix 1.

To FSR Stn. Lauf.

Appended is copy of results of test of USA transmitters hard to intercept in Treuenbrietzen, for information and retention. ((No trace of Appendix)).

We point out that it is mainly a selection of those transmitters which are not regularly received badly, but only

at times or "Schichtweise". Quality of interception could not be completely investigated in the case of those underlined, as these nad either no traffic at all or very little.

Ref. the last conference in Lauf of 16/12/41 the result of tests of badly received USA transmitters is to be sent by you also by 8/1.

p.p. [signature illegible].

4.

Berlin 19/1/42

Ref: Traffic Cairo-Washington

To FSP Stn. Lauf.

Intercept station Treuenbrietzen for information.

As complete as possible interception of messages sent between Cairo and Washington and vice versa is extremely important. For control reasons Intercept Station Lauf must also monitor this traffic with utmost care. Messages primarily of interest:

1) Cairo to Washington with addresses:

agwar Washington
milid "

2) From Washington to Cairo with address:

milattaché amlegation S.N.

All messages with these addresses are to be sent immediately to Chi by T/P; the originals are not to be sent on by post. The diplomatic address list is to be correspondingly completed in Column 1.

Kempf.

5.

Intercept Stn. Lauf 31.1.42.

E No. 122/42g To Chi OKW V

Berlin

Ref: Wireless traffic Egypt.

We submit below a list of allocation of transmitters and operation of receivers of inter-state wireless traffic Egypt.

The following transmitters were allotted to the receiver groups :

suc	2151	suy 2	2454
sup 2	4785	sur	4425
sus 2	4208	suw	2519
suu	2172	suv	2984
sux	3821	suy	3834
suz	2169	sux 2	1792
sus	1526 m	suz 2	4365 m

The transmitters underlined, mainly in traffic with USA, are being monitored continuously by high speed automatic receiver, to ensure complete interception.

The transmitters are allocated to 14 receiver groups.

For constant observation of this traffic results are exchanged daily with Treuenbrietzen.

6.

Chi

Berlin, 18.2.42.

Az. E 26a Ain
No. 950/42g

Ref: America

To Main Monitoring Stn. Lauf
" " " Treuenbrietzen.

The following letter is sent for your information:

" The American government intends as a security measure to establish parallel radio and telegraphic links between the United States and certain key points in foreign countries, and in addition to make use of various installations in these countries. In accordance with this intention the Federal Communications Commission has entrusted the Mackay Radio Telegraphy Company with the establishment of such a double link between USA and Ankara, and also Istanbul.

(signature illegible).

7.

27/2/42 1615 To Chi OKW Berlin, Gruppe I

Ref. WLFA No 225 of 24/2.

Just intercepted following reply - service msg from fzn 3 to odi 27/2 1310:

a 27 San Francisco de Noumea fzn 27/2 via Ch - chief fzn to chief rca San Francisco - ref yr svc via bth and nyk stop advise you we shall call and listen kqj with our fzn on 16095 kcs for testing duplex first March at 2100 gmt till 2200 stop also kei 2nd March at 1000 gmt till 1100 gmt with fzn 11550 cks stop kindly watch our sending carefully many thanks.

Monitoring of trial traffics on 1st and 2nd March arranged and Treuenbrietzen informed accordingly.

Intercept Stn. Lauf Schn.

8.

9/5 ?42 1130 09783

To FSR Stn. Treuenbrietzen and Lauf.

W.i.e. Treuenbritzen ceases to monitor Egyptian transmitter from abu zabal. This tx. is to be monitored by Lauf. From now on Lauf is to intercept not only messages "Cairo Washington" but also all other messages according to diplomatic address list from Egypt (abu zabal). The personnel and equipment freed at Treuenbrietzen by this measure are to be used on other interception fields.

Chi/OKW

9.

23/6/42 1336 To FSR Stn. Lauf.

W.i.e. monitoring is to be carried out in such a way that all messages with address "amsiz basra" and "amsir washington" are to be intercepted complete as far as possible. Messages received are to be sent in advance to this end by T/P.

Chi/OKW.

10.

Chi Berlin 7/42

Ref: T/P of 23/6/42

To FSR Stn. Lauf.

Monitoring of traffic Basrah-Washington via relay stns Cairo and Great Britain is to be carried out within your programme of assignments in such a way that messages with the addresses amsir and milid are to be intercepted as completely as possible.

Send in intercepted messages by T/P.

(signature illegible).

11.

31/7/?42 1438 To FSR Stn. Lauf.

Supposed to be American tx, 200 to 300 watt working in Tangier on about 4420 m to Lisbon and Casablanca. Traffic time 15 minutes after the hour and around 13 hours. Same transmitter has traffic with America on about 20 m wavelength. Frequent change of callsigns. Carry out special monitoring.

Chi OKW

[Pencil note] Monitoring ceased on 8/8 by telephoned orders Ib.

12.

4/9/42 1238 To FSR Stn. Lauf. Secret.

As learned from cypher messages intercepted by other stations wireless stations "war, wvna, wvnt, geh 2" in American wireless traffic are sending a large number of 5/L messages with indicator "nicit, fawof and dapuj" (at beginning and end). As considerable value is attached to the interception of these messages, you are ordered to monitor the wireless traffic of these stations continuously.

The FSR Stns. Treuenbrietzen and Lauf are to arrange at once with each other which wireless stns can be taken over by each FSR Stn for continuous monitoring. Result of arrangement arrived at and manner of carrying out the continuous monitoring is to be reported to this end.

Chi. OKW

13.

Chi. 18/9/42

To FSR Stn. Lauf

" " Treuenbrietzen.

The callsigns WAR, WVNT, WVNV and WVNA are to be added to the list of callsigns and frequencies of international wireless stations as at April 1940, OKW Az. E 15a, 1 St b WNV/ Chi No. 2647/40 secret of 12/6/40, under "United States".

From the 4 networks with principal stations WVNA, WAR, GEH 2 and WVDB only the following are to be monitored continuously as far as possible in future:

WAR - Washington
WVNV - Cairo
WVNA - Karachi
WVNT - Asmara

and moreover with the addresses AMSEG, AMSME and AMSIR and with the indicator groups "NICIT" and "BAGYW". Signatures: Maxwell and Hodges.

The other traffic in these networks is only to be monitored at random intervals to see whether messages with the addresses mentioned are occurring.

[signed] Kempf.

[Pencilled note by Major Wend].

Conversation with Herrn Amtmann Klinger 21/9/42 1530: the instruction does not mean that only messages from these transmitters which have both the above 3 addresses and the indicator groups are to be intercepted. It is merely intended to stress the particular importance which Gr. IV attaches to this combination.

Everything from these transmitters which would otherwise be wanted according to the address list is to be intercepted.

W.

14.

Chi Berlin 24/3/43

Az I/Ib
43 secret.

To FSR Stn. Lauf.

Ref: American tx. in Madrid.

It is known from reliable source that there is a 60 watt tx in the American embassy in Madrid. It is said to use the frequencies 1790 and 3850 kcs and can also work with double (half ?) these frequencies. When normal wireless communication is interrupted Madrid listens daily at 1200 and 2100 hrs gmt on 7700 kcs& 3850 kcs, callsigns "fat" and "fan". Answering stn probably Tangier. Above data are from November, 1942.

Lauf and Stürmer are to monitor specially for 8 days. Messages received are to be sent in currently and at end a daily report with short report to be sent.

KEMPF.

15.

29.3.43. 1740 FSR Stn. Lauf. USA messages on the line Ankara (or Beyoglu Istanbul) - Washington with address "Secstate Washn" and vice versa with address "Amembassy Ankara (or Beyoglu, Istanbul)" are of greatest importance. Intensified monitoring of transmitters connected with this line is included in schedule of assignments, in order to ensure as complete as possible interception.

p.p. Von Nida

16.

Chi I(Ib)

No 43 secret Berlin 13/4/43.

To FSR Stns. Lauf, Treuenbrietzen
" Bøhrer
" Stürmer
" Chi IIIb

Ref. monitoring for comparison

In addition to the intensified monitoring of wireless line Ankara-Washington ordered on 29/3/43 a continuous comparative monitoring of Turkish txs. "taf" and "tag" for period 20/4 0000 - 22/4 2400 is ordered.

Daily reports are to be made on the results of this monitoring and sent in to Chi Ib on conclusion of monitoring. These must show: exact transmitting times, audibility of tx. at separate hours of the day according to signal strength, possible loss of messages as result of fading, echo, foreign interference or insufficient signal strength. Cypher and P/L messages are to be intercepted according to list of addresses and entered in daily reports, numbered continuously from 1 (diplomatic numbers and transmitting numbers required).

Intercepted messages are to be sent to Chi IV by the usual channels.

[signed] Kempf

17.

Chi Berlin, 18.9.43.

Az. I(Ib)
No /43g

To FSR Stn. Lauf
" " Treuenbrietzen

Gr III

Ref: Change in monitoring areas.

From 18/9 1000 hrs GST Lauf takes over in addition monitoring of transmitters from the USA which are being permanently monitored in Treuenbrietzen.

[signature illegible].

18.

17/12/43 2015 Top Secret, Urgent.

FSR Stn. Lauf Nürnberg

YTAYTD not audible here in traffic with America, as probably 20 m band. Existence of traffic known here for a long time; sends 5/L messages with 4-place indicator figure in preamble. American answering stations: WPK on 13840 kcs, WDQ on 7625 kcs, EEE on 6920 kcs. If any results at your end, request details of frequencies and times, as traffic can be read here.

Cdr. Sigint 4th Sect.
W. No 1873/43

19.

Control on monitoring line Cairo-Washington
Period 1st-31st Jan. 44.

Address: Secstate Washington.

From the evidence of the diplomatic numbers 210 messages were sent during period monitored.

Of these 121 were intercepted a result of 58%.

It is probable that the large number of missing messages is due to the Egyptian stations' Multiplex transmissions. We point out also that in comparison with earlier months the intercept result is still favourable.

The messages intercepted were as follows:

P/L messages	15
Cypher messages	106

Of these 105 went direct from Egypt to USA and were intercepted by Lauf on following stations:

sup 3	70
suv	15
sur	12
suy	7
sup 2	1
su	105

Chi IIIb contributed one message on sux 2 on beamed route Egypt-Great Britain on multiplex.

Chi Ib1 8/2/44.

20.

FSR Stn. Lauf, 7/2/44

No E 49/44 Secret.

To OKW Chiffrierabt, Berlin.

Ref: Completness of interception of USA traffic Berne-Washington.

The check on diplomatic numbers as carried out here cannot prove 100% interception of the lines, because there are always a number of messages with interesting address (in particular Secstate Washington) sent without diplomatic numbers.

For sake of interest, to obtain exact proof of work of outstation Lörrach, this unit has had a check carried out for January of all postal numbers with addresses (thus including otherwise uninteresting addresses). In the postal number series "szs" outstation Lörrach has according to the numbering, commenced afresh each week, intercepted all messages sent.

It is true that other number seiies were used during January beside "szs" in which however only a small number of diplomatic messages passed. In any case, of 640 messages having gone according to diplomatic numbers with address "Secstate Washington", 599 appear in the number series "szs".

As the most important number series szs is proved to have been 100% intercepted, we may conclude that the other number series of lesser importance, running parallel to the main series and intercalated with the messages of the main series, have been completely intercepted.
This unit assumes that this demonstration will be of interest to you also.

1 app. W, Major and Head.

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21. 17.2.44.

FSR Stn. Lauf.

No 61/44g

Ref: Chi No E 14a I (Ib) No 489/44g.

Ref Wireless traffic Egypt.

To OKW Chi I (Ib)
Berlin.

The traffic to be monitored here according to above reference letter can be intercepted well in the B and C monitoring ordered by reason of signal strength and reception. In B monitoring the tx. suc, sup 2, sup 3, sur, sur 2, suv, suw, suy, suy 2, suz are operating, of which sup 3, sur and suv carry out the main traffic for sending diplomatic messages.

As reported earlier, most of the tx. work in multiplex traffic with USA and England with interruptions, and it is to be assumed that a large number of diplomatic messages are sent in this traffic. A further reason for this are the former interception figures before the tx. were set to multiplex working. At that time the monthly average was 1000 messages intercepted.

See below present state of Egyptian tx. ascertained here this month, their traffic times and type of traffic.

Tx.	Fqcy.	Traffic Time	Note
suc	2152	0700 - 1900	only multiplex
sup 2	4782	1700 - 0700	" telegr.
sup 3	2165	1200 - 2000	" "
sur	4425	1400 - 0900	partly multiplex
sur 2	2978	0900 - 1300	only telegr.
suv	2984	0600 - 0100	partly multiplex
suw	2519	0800 - 1900	only telegr.
suy	3834	2000 - 2400	partly multiplex
suy 2	2454	1500 - 2000	only telegr.
sux 2	1792	1100 - 1800	mainly multiplex
suu	2172	1000 - 1700	" "
suz	2169	1100 - 1900	" "

In addition to the Egyptian Tx. we report that also a few USA tx. are in multiplex in addition to normal telegraphy tfc. These are :

wej	4451	2300 - 1900	partly multiplex
wel	3352	2000 - 1200	" "
wem	4054	1900 - 1300	" "
wev	3881	2000 - 1100	" "
wdk 2	5893	0100 - 1100	" "
wiv	2860	1400 - 2300	" "
wql	2025	1300 - 2100	" "
wqu	2165	1100 - 0100	only multiplex

[signed] Wend.

22.

No 2020/44 secret 14/6/44

Chi I (Ib)

1 encl.

To FSR Stn. Lauf
" " Treuenbrietzen

Appended find for information list of USA messages intercepted from USA stations during May by Lauf and Treuenbrietzen. The list shows how far the two intercept stations have intercepted identical messages and how far single ones. In case of individual transmitters there are considerable differences in numbers of messages intercepted, which are to be attributed to technical difficulties or the method of employing personnel.

It is not intended to make up this list regularly.

23.

Chi E 14a (I) Berlin 7/7/44

No 2275/44 secret.

To FSR Stn. Lauf
" " Treuenbrietzen

Ref: Taking over of USA transmitters in continuous monitoring.

So that further USA transmitters may be taken over in continuous monitoring, the following 10 USA transmitters wdk 2, wcc, wej, wem, wiu, wiv, wjd, wkd, wkl and wku are to be taken over in continuous monitoring by FSR Stn. Lauf after mutual agreement. FSR Stn. Treuenbrietzen continues routine monitoring of these transmitters.

In future the two E stations will continually arrange which USA transmitters Lauf will take from Treuenbrietzen in continuous monitoring.

SECTION 2

(1) Traffic of the United Kingdom

Chi OKW Berlin 16.10.1939
File E 14a 19
Nr.5968/39 secret

Subject: Teleprint Nr.38 of 16.10.39,0918 hours.

To Intercept Station Tennenlohe

Tennenlohe/Erlangen

With immediate effect, the following traffics are not to be covered ary longer since they concern naval traffic which is intercepted sufficiently by the Naval Monitoring source:

gbr (gih,gif,gig) with gbxz
gyz7 with gb 2 (not gne 2)

In its place the following traffic is to be covered w.i.e.:

sav with ylq on 6000m wavelength (and possibly reciprocal traffic). This deals with important commercial messages (5-letter).

(signed) Kempf.

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(2)

Chi OKW Berlin 20.10.1939
File E 14a
Nr.2912/39 secret

Subject: Interception of English cypher messages (5 figure)

To Intercept Station Tennenlohe

Tennenlohe b/Erlangen

With reference to communication of Chi OKW of 10.8.1939 Nr.2912/39 secret, attention is once again drawn to the fact that no English cypher messages transmitted in figure groups are to be intercepted. These messages are recognizable by the word "prodrome" in the message preamble. It is not necessary for an English wireless station to appear as transmitter or receiver, i.e. message Nr. 1740 of 12.10.39 1250 hours, receiver V/S. On the other hand all English messages encyphered with letter groups, likewise recognizable by the word "prodrome" in the preamble, are to be intercepted. Special importance is attached to the messages from tac and taf.

Traffic between the Royal Air Force wireless stations
gjf Air Ministry London
gfx Ismailia (Egypt)
gfv Baghdad
gfz Calafrana (Malta)
geo Singapore
gfq Aden

is not to be covered in the future since it is already intercepted by the G.A.F. (e.g. Day report Nr.57 of 16.10.1939, receiver VIII/K, page 2).

(signed) Kempf.

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(3)

Chi OKW Berlin 26.10.1939.

File: E 14a
Nr: 6190/39 secret

Subject: Interception
Reference: Wireless message Nr.162c of 19.10.39 (receiver VI)

To Intercept Station Tennenlohe

Tennenlohe b/Erlangen

It appears from the preamble of the above-quoted wireless message that heavy traffic on the line hzn-ode is often monitored.

Since the messages transmitted to and from Transjordan are of great interest they are all to be intercepted until further notice and are to be sent to Chi OKW.

(signed) Kempf.

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(4)

Chi Berlin 16.4.1940.
File: E 14 a V
Nr: 1731/40 secret

Subject: Special Monitoring - 1 enclosure.

To Intercept Station Lauf
Intercept Station Trebenbrietzen.

It is reported by a reliable source that diplomatic message traffic exists between the English embassy transmitters at Bucharest and London and is carried out in accordance with the traffic times and procedure given in the enclosed appendix.

Attempts are to be made, within the framework of the search service carried out there, to monitor this traffic under the call-signs and frequencies quoted and intercepted messages are to be sent immediately to CXW Chi by teleprinter.

(signed) Kempf.

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(5) Enclosure to "Day Book 347/40"

Times of traffic and procedure of the English transmitters said to be at Bucharest.

Two transmitters, the locations of which as Bucharest are uncertain, operate in the English diplomatic special network. The traffic given under 1) is the most likely one, however.

1)	Callsign	Frequency	Times of transmission
	701	14880 kcs	1100 - 1130 1600 - 1630 1900 - 1930

and under the same callsign with frequency 6920 from 1900 to 1930 and at 2245 hours.

2)	Call-sign	Frequency	Times of transmission
	902	13540 - 13610 kcs	1100 - 1130 1900 - 2000
		6770 kcs as alternative frequency.	

Only one call-sign is used namely 701 by the first station and 902 by the second station. In this figure the second digit may be altered from 0 to 5 and indicates the qsa particulars. In place of the q group abbreviations of 2 figures are used, e.g.

64 = qrx
68 = vvv
72 = qtc
73 = qru

Example of traffic

vvv 701 or 711,721 etc = number 23 gr 22 (Groups of 5 figures follow).

Zonal time

In order to ascertain the correct time of a traffic appointment the following procedure is to be effected:- if the agreed time is given as 1/4, 1/2, 3/4 or exact hour add one hours to obtain Central European Time - for instance - qrx 0530 hours, i.e. call again at 0630 hours central European time.

If the time appointed is at other parts of the hour 35 minutes are to be added in order to obtain central European time - for example qrx 0625 - call again at 0700 hours central European time. For purpose of camouflage both times are often employed in one call.

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(6)

Chi
File: E 14a V
Nr: 2200/40 secret

Berlin, 14 May 1940

Subject: Special monitoring
Reference: Chi Nr.1731/40 secret of 16.4.40

To Intercept Station Lauf
Intercept Station Treuenbrietzen

As already stated by phone the special traffic between the English embassy transmitters at Bucharest, London etc intercepted since 18/4 is no longer to be taken in the previous quantity but is only to be monitored by occasional random checks. Messages intercepted are no longer to be sent to Chi by teleprinter but by post instead.

(signed) Kempf

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(7)

Chi
File: E 14 a V
Nr: 2559/40 secret

Berlin, 31.5.1940.

To Intercept Station Lauf
Intercept Station Treuenbrietzen

On 28.5.40 at 2045 hours a new link was established between the transmitters at Vadsö and Portishead (England). Vadsö is presumably the substitute for Bodö wireless station which has been out of action since 27.5.40.

As far as traffic can be intercepted there the messages picked up are to be sent immediately to Chi OKW by teleprinter.

(Signed) Kempf.

(8)

From 1210 one BG HRKM. Most Urgent. 25.6.(40?)

Telegram

To Chi OKW, Gruppe 5, Berlin.

Following service message intercepted: 0845 hours OFK de GIZ - shls ZHC GIZ and GKL can you now take traffic. Heavy pref on hand. Following XQF STKM 0545 gmt owing interruption cable - connection, we propose radio service. If you agree DADYC SAV+ andadvise via LDN which station available for us. +

0940 hours GIZ de SAV - XQ super ONA via LDN - 0735 hand (sic) lines interrupted, please listen SAV we listen ONA SSTKM. +

1100 hours ONA de SAV - XQ ONA - YGA OK following X MITTERS RNG SAU 9434 SDB 10780 SDE 13815 SDY 8967/5 SDA 7435 PSE DERSO - SSTKM +

1115 hours ONA de SAV - XQ super ONA - 0909 VG UPPGIV OM KABELN KAN BA NN KAN BERAEKNAS KLAR SNART STOP KUMA VI BOERJA SAN SAENDER TRAFIK STOP HIMAR STOP WAFUC - SSTKM +

Horch Stelle Lauf.

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(9)

Chi
File: E 26 Engl V
Nr: 4594/40

Berlin, 4.9. 1940.

Subject: Message Traffic England
Reference: Telephone enquiry by Lauf on 31.8.40.

To Intercept Station Lauf
Intercept Station Treuenbrietzen

As already communicated by telephone, all English cypher messages which consist of mixed groups, i.e. figure-groups and letter-groups are to be intercepted, with immediate effect.

(signed) Kempf.

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(10)

Intercept Station Lauf
Nr. 822/40 secret

Lauf, 5.9. 1940

To Chi Stelle OKW
Gruppe V
Berlin

Subject: Prodrome messages

The latest instructions for these are:-

a) Figure messages are not to be taken
b) Letter messages are to be taken even if they are mixed with figures.

In order to have a full explanation of the question of when a Prodrome message is to be regarded as mixed in this sense, 4 examples of messages are forwarded:

Example 1: 5 letter-groups at the beginning only, 24 figure-groups
" 2: 10 letter-groups at the beginning, 60, figure-groups
" 3: 9 letter-groups at the beginning, 3 letter-groups at the end and 73 figure-groups inbetween
" 4: Letter-groups, plain language, figure-groups in roughly the same proportions.

The view here is that examples 1 to 3, where in relation to the preponderance of figure-groups there are only a few letter-groups which obviously deal with the address and signature, are not mixed messages in the sense of the instructions and are, therefore, not to be taken. This type of Prodrome message is frequent, purely figure Prodrome messages appear very seldom.

In the category of example 4, where letter and figure-groups are evenly balanced, messages have recently appeared in individual cases of a type in which, in the case of lengthy messages, a complete page of letter-groups was introduced or appended. These messages only are regarded here as "mixed" in the sense of the intercept instructions

4 enclosures

(signature illegible)

(11)

Intercept Station Lauf Lauf, 7.9.40
File: E
Nr: 832/40 secret

To Chi Stelle OKW
Berlin

Subject: Unidentified wireless traffic from glk
1 enclosure (taken automatically)
1 enclosure (taken by magnetophone)

The international transmitter glk (Dorchester) has been identified for some days in traffic with stations wem, whr (Rocky Point) on a wavelength of 37.58m in an unknown wireless system.

W/T transmissions take place daily from 0090 [sic] hours to 1100 hours; the signals are sent with automatic keying in an unrecognized form.

These signals can be taken perfectly on the undulator but are not readable, however, on account of their type. The complete signals consist of 1 to roughly 25 elements, occasionally commencing with one short signal.

Normal morse procedure is used in contact traffic

Example: ny de glk
xq wem de ln - 1015 bst zsu I/r st 578
wtg for whr +

The following are enclosed for further study:

1) a magnetophone intercept with reception speed 8
2) a similar intercept by morse undulator

(signature illegible)

(12)

Intercept Station Lauf

Lauf, 13.9.1940

E 2, day book Nr.852/40 secret

To Chi Stelle CKW
Gruppe V
Berlin

Reference: Addresses - 4 enclosures

Wireless messages in the English international traffic have recently been intercepted which have the same contents in spite of different addresses. In accordance with the list of addresses and the supplements to it only a limited number of them are to be intercepted, the majority are not.

The diplomatic addresses concerned are:-

Prodrome	London	(to be taken)
Puckish	London	(" " ")
Bedrock	Gibraltar	(not to be taken)
Fairmiss	London	(" " " ")
Placqes	London	(" " " ")
Humdrum	London	(new address)

As a further explanation, some messages with the above mentioned address are sent herewith.

Enclosure 1: Prodrome London = Bedrock Gibraltar
" 2: Bedrock Gibraltar =Fairmiss London
" 3: Humdrum London = Bedrock Gibraltar

The addresses Puckish London and Placqes London appear in the same combination.

Enclosure 4 has the same contents with address British consul and Britain luanda of which the first is sent in advance by teleprinter and the second not.

The point of view here is that the importance of the individual messages must be the same.

(signature illegible)

(Trns: following written in pencil)

Telephone answer Major Hohmeyer 25/9/40 - 1045:

The addresses prodrome, puckish and Britain luanda only are of interest. All other addresses are to be put aside even if cypher contents correspond with those of the above named addresses which are to be taken.

(13)

Chi Berlin, 17.9.1940
File: E 14a V
Nr: 4548/40 secret

Subject: Unidentified wireless traffic from glk
Reference: Your Nr. 832/40 of 7.9.40

Encl 1: Undulator strips
" 2: Magnetophone film
" 3: Solution of the system
" 4: Undulator strips (broken telegrams)
" 5. Broken telegrams

(Trns Note: Only Enclosures 3 & 5 available)

To Intercept Station Lauf

For information to Intercept Station Treuenbrietzen.

The following explanation is given of the unidentified wireless traffic from glk together with the return of the data forwarded to us:-

The analysis of the enclosed morse strips and magnetophone films resulted in a solution which is described in the enclosure.

Transmitter glk has been operating from time to time with this type of telegraphy since 1938. At Chi/III traffic with South Africa, North and South America had previously been identified. More detailed inquiries concerning the individual traffic links are now being made. Monitoring of the contents does not take place at Chi/III (b).

The system is a Three-Channel System in which up to 3 telegrams may be sent on one frequency in accordance with an agreed key. So long as only 1 telegram is sent, that is only one channel is used - and that appears to be the rule - decypherment is possible without special apparatus and with a little practice the direct reading-off from morse strips can be carried out by a good wireless operator without difficulty.

If 2 or 3 telegrams are sent simultaneously - such a case was not realised at Chi/III (b) - decypherment is more difficult.

An apparatus has not been developed up to now since there was no demand for it although the problem in itself has been technically solved.

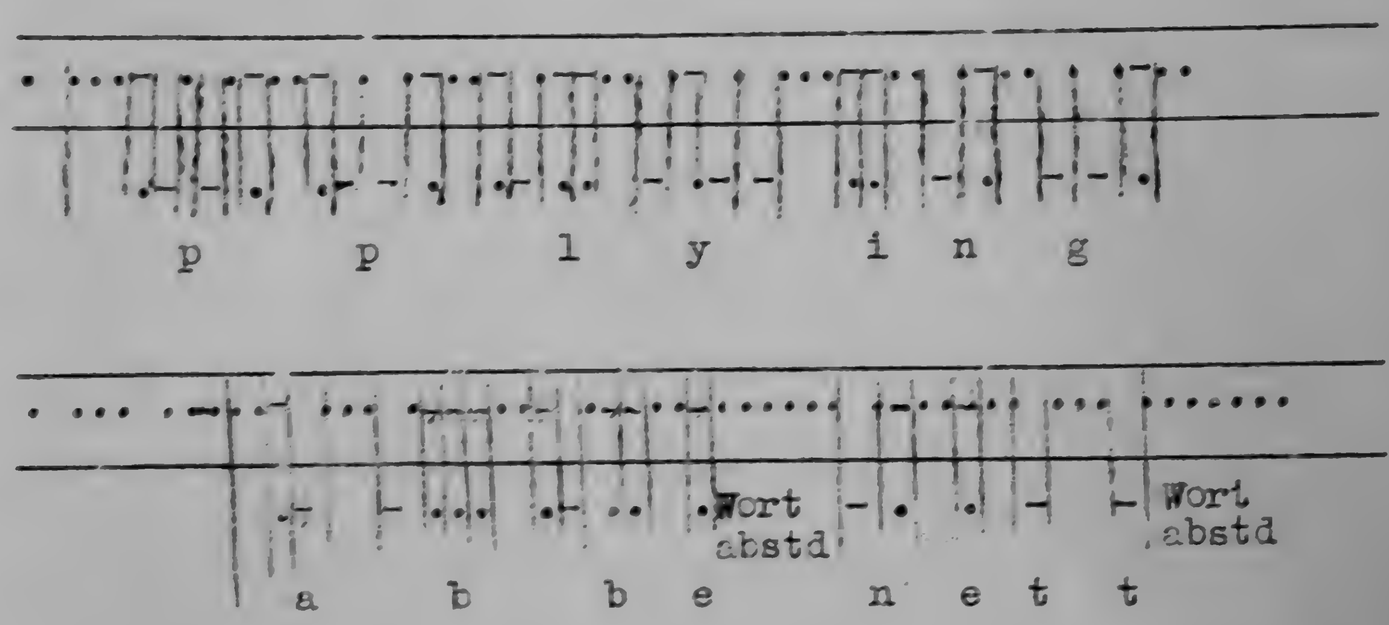
(signed) Kempf.

Enclosure 3

Solution of the System

Dots on the strips have no signification
Dashes have the signification of dots
Pauses have the signification of dashes.
The space between letters is represented by 2 or 3 dots and the space between words by several dots.

Example



Enclosure 5

Experimental solution of a telegram:

+ w3339 Johannesburg 39 5 1640

nlt cincinnati milling machine cincinnatiohio =

1443 plain grinder include mirror attachment two extra wheel mounts four each six and eight inch jackrests also eighth stroke reciprocating attachments provided does not delay promised delivery if sprice =

drury +

w3339 1448 +

TOP SECRET

(14)

Intercept Station Lauf

Lauf, 18 October, 1940

File: 962/40 secret

To OKW, Chi Gruppe V
Berlin.

Subject: English transmitters.

With reference to today's telephone conversation with Herr Major Strohmeyer the English short-wave transmitters which are listed below, can no longer be intercepted here between approximately 2200 hours and sunrise owing to fading. It is nevertheless certain that diplomatic messages were included in these transmissions so that a considerable loss of such messages is entailed.

It is suggested that the advanced wireless intercept station Munster, now on the coast, be requested to make an attempt to discover the reception conditions for these stations during the period stated in order that suitable conclusions may be drawn from them.

List of the English transmitters concerned.

gmm	21.96 m	13660 kcs
glq	26.27 m*	10930 "
gno	25.85 "	19605 "
gly	27.45 "**	11420 "
goa	30.57 "	9815 "
gos	32.35 "	9275 "
glk	37.48 "	8005 "
goq	39.53 "	7590 "

(signature illegible)

Hauptmann & O.C.

Trns. * altered to 27.45
** altered to 28.27

(15)
Intercept Station Lauf

Lauf, 24 Oct. 1940

Nr. 979/40 g

To Herr Major Stanzel
O.C. of the Fixed Intercept Station TULLN.

Subject: English Transmitters.

With reference to the private letter of the undersigned O.C., a list is appended of the transmitters in question which, as a result of continually increasing fading, can no longer be picked up here from 2200 hours to sunrise. It is assumed that these can be more completely intercepted at a greater distance from England. Perhaps the possibility exists of making a sample test of the receptability of these transmitters there during the hours of the night in question, either in TULLN or at an out-station whereby value is attached to chance tape-reception. Attempts were made at Strasbourg ahi Husum in the meantime but without success. Results are expected here either by closer proximity to the coast or from a greater distance.

List of the English Transmitters concerned.

gmm	21.96 m	13660 kcs
glq	27.45 "	10930 "
gho	25.85 "	11605 "
gly	26.27 "	11420 "
goa	30.57 "	9815 "
gos	32.35 "	9275 "
glk	37.48 "	8005 "
goq	39.53 "	7590 "

(signature illegible)

Hauptmann and O.C.

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(16)

Chi

Berlin, 29.10.1940

File: E 26 E v
Nr: 5494/40 secret

Subject: Great Britain.

To Intercept Station Lauf
Intercept Station Treuenbrietzen.

It is reported by a reliable source that:

"Wireless communication, Great Britain - Portugal, will be suspended on 12th Oct. 1940 at approximately 2200 hours. It is apparent from theservice traffic that the suspension is due to a shortage of personnel and material and that the cable channel is available to both parties in case of need.

(signature illegible).

---

(17)

Intercept Station Lauf

Lauf, 9 Dec. 1940

To OKW Chi Section, Gruppe IV
Berlin

Subject: England/U.S.A.

Coverage instructions are requested for the enclosed 5-letter messages with the address "Mideast" and signature " "Troopers".

According to the list of addresses "Mideast" is not to be covered, recently, however, a large volume of 5-letter messages (previously more 5-figure) has been established with the signature "Troopers" which as an address is to be covered.

Two such messages have been sent to you without any covering note by early post on 9th Dec.

Since messages with addresses, which according to the list, are not to be covered, e.g. "Milwestaf" are frequently appearing with the signature "Troopers" with the same type of message the clearest instruction for the wireless operator would be to order -" all 5 letter messages with signature "Troopers" are to be recorded". Or should this be extended to 4 figure and 5 figure messages also?

(signature illegible)

---

(18)

Chi - Berlin 16.12.1940
File: E 14a V
Nr: 6338/40 secret

Subject: England/U.S.A.
Reference: Your Day-Book Nr.1137/40 secret of 9/12/40 - 11 enclosures.

To Intercept Station Lauf

Chi/IV takes the following attitude to the above named query:-

"5-letter messages with the address "Mideast" are not to be intercepted since these are received in large numbers from other stations. Chi/IV would be more usefully served if, in their place the American 5-letter messages were intercepted by several receivers since the 4 messages enclosed herewith which are important could not be evaluated owing to the large number of errors in reception.

In future only the 5-figure messages of the English "troopers" messages are to be taken.

11

(signed) Kempf

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(19) Sunday 10.8.41.

To Chi CKW, Berlin, Gruppe V

From 2104 to 2137 new line observed on 29.20 metres, FZI (Brazzaville) - DAK (Dakar ??) in contact traffic and message transmission with address Troopers London Mideast Cairo, 4 figure. Special day report being sent by receiver VII early post Monday.

Intercept Station Lauf.

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(20) 27/10/(41?)

To Chi OKW, Gruppe V, Berlin.

On 26/10 0830 hours wireless station GMQ (Ongar) started traffic with RBN (Debaltsevo) and GOT, GOQ (Ongar) with RPO(?) in traffic period 1900-0100 hours. RBN and RPO have not yet been established as transmitters.

Intercept Station Lauf.

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(21) 5/12/(41?)

To Chi OKW, Berlin, Gruppe V.

Wireless station GNO (Ongar) 25.85 m in wireless communication with VPT (Malta) interrupted traffic at 1620 hours on 4/12 and transmitted the following text with VVV de GNO for an hour: "Friends, Romans, countrymen lend me your ears I come to bury Caesar, not to praise him".

---

(22) 5.12.41

To Intercept Station, Lauf, Secret.

Subject: Wireless Traffic England - Kuibyschew.

In view of the hitherto small amount of message material, increasing importance is to be attached to the most complete interception possible of the wireless messages passing between England and Kuibyshew.

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(23)

Berlin, 12 Nov.1941

Chi
File: Chi 14a V
Nr: 6476/41 secret

Subject: Great Britain - Egypt

Encl: 1

To Fixed Intercept Station Lauf
Fixed Intercept Station Treuenbrietzen

Enclosed for your information and attention is a special report dated 7/11 from the wireless traffic between Great Britain and Egypt on the handling and numbering of telegrams.

(signature illegible)

Berlin 7.11.41.

Chi
I Nr.6644/41 secret

Restricted circulation

Chi - information, special report

Subject: Signals situation

Great Britain - Egypt.

Dorchester to Abou Zaabal on 17.10.41
London to British Consul Basrah
Sent to Istanbul, Alexandria, Cairo, Lisbon, Madrid,
Tangier, Reykjavik, Teheran, Baghdad, Basrah.

The method now employed of sending telegrams via m.e.w. in the ARFAR series is to cease with effect from 21/10 and a division of Encom series is to be made for all Corporation telegrams to and from your posts whether sent in cypher or code and moreover by a) Embassy, b) Legation, c) Consulate or in plain language by the usual commercial channels.

All telegrams are to be continuously numbered in a new Encom series beginning with Encom 1. The series and subjects e.g. Finance, Organisation etc. are to be retained as a heading and indication of the contents, on the other hand separate numbering of the subjects is abolished. Cross references are to be made in a fixed form "Encom 17 Organization", "your Encom 56 Finance" etc. In practice Encom will fall out of use when the new numbering has become familiar.

Please insert the Enc'm numbers before you send a telegram to a) an Embassy b) a Legation c) a Consulate for despatch. You will assume responsibility for maintaining the sequence.

Telegrams which are sent for reasons of urgency in plain language via a) an Embassy b) a Legation c) a Consulate are to be forwarded to the Foreign Office and not to m.e.w.

S.S.F.A.

Egypt - Great Britain

Abou Zaabal to Dorchester on 20.10.41.

The following for Rus.... Mr. Perown .... Balkans stopped the radio transmissions at the outbreak of the Russian - German war. These have now recommenced. Last night on 19 metres at 15.30 GMT ..... transmission of Turkish news then news transmissions in American, Russian and Persian. Time of finish not observed. Extremely audible.

Distribution

Ausl III,V	L (Ia M)	(Fu St Ic/IV D & OKM)
Abw I H	Chi II,III,V(6x)	(2 Abt.Skl. retain)
WNV/NV III		

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(24) 15/1/42

To Chi OKW,Berlin, Grupee V

In wireless traffic of England with Malta the wireless station gno (Ongar) 25.85m sent to vpt (Malta) on 14/1 from 1415 hours for about twenty minutes, the following constantly repeated words:iiss spec b fm ln boldly betty bottom bekest banana brighton boston boom beer.

Intercept Station Lauf

5

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(25)

Berlin, 31 January 1942

Chi
File: E 14a V
Nr: 620/42 secret

Subject: "Multiplex" wireless system

To Intercept Station Treuenbrietzen
for inf.to " " Lauf

It has recently been established that the "Multiplex" system is used, on a considerable number of English wireless links and American, too, to a certain extent.

The single-channel and multiple-channel systems are to be distinguished. The latter is used at the present time on the wireless links between India and England and similarly between England and U.S.A. Special apparatus is necessary in order to read the multiple - channel system but which is not, however, available for Intercept stations until further notice.

On the other hand the single-channel system of which the Malta wireless traffic (v.p.t.) is available may be read without difficulty. As an explanation of this system an experimental intercept with the corresponding interpretation of the letters is, therefore, forwarded herewith. By the use of this new method of reading-off it is possible in future, to read the wireless messages transmitted by v.p.t. Malta without further trouble. Corresponding measures within the framework of the given plan of duties, are to be put into effect immediately and the intercepted message material from Malta is to be sent to Chi.

(signed) Kempf.

SECRET

Experimental Reception Vpt (Malta)

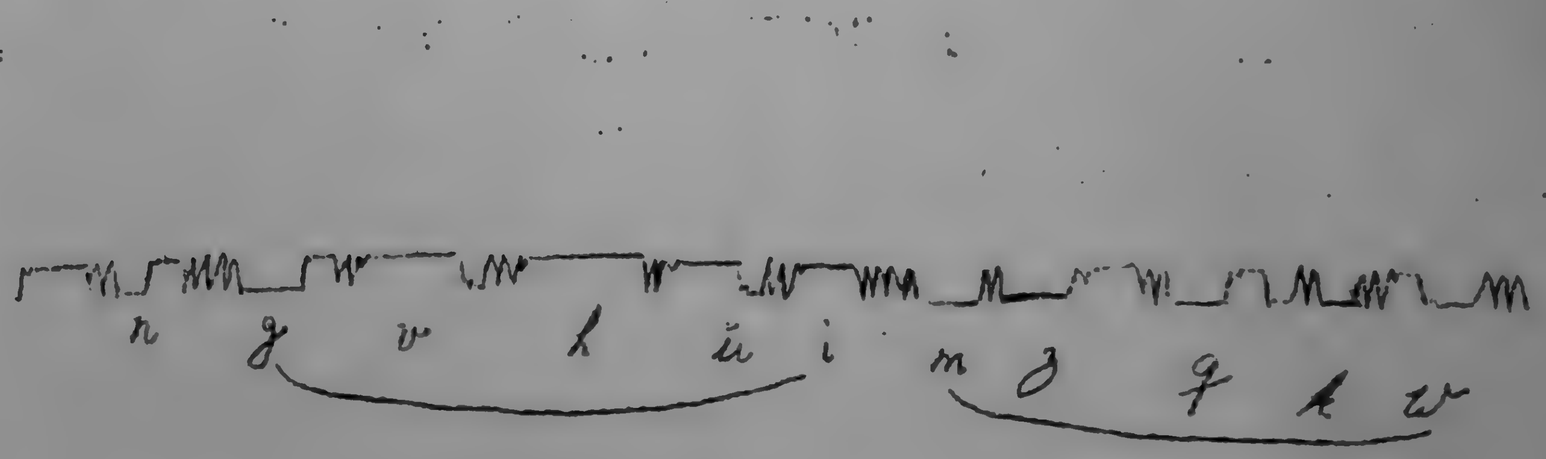
1) In this system dots are represented as strokes. The length of the strokes denotes the number of dots.

2) The dashes are represented as divisions in which the length of the divisions again indicates the number of dashes.

3) Spaces between letters are indicated by two dots, spaces between words consist of four dots.

4) To sum up it may be said that the upper lines represent dots and the lower lines dashes in which dots and dashes are both of the same length.

Example - Experimental strips:



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(26) 24/2/(42?)

To Chi OKW Berlin, Gruppe I

Wireless message from odi to fzn on 24/2, 0800.

noumea via nyk and bth 34 - re your radiotelegramm twenty third please observe k e i rpt kei 9490 kcs always running 0400 gmt to 2100 gmt daily working with sidney stop also k q j 18020 kcs always running 21 gmt through 8 gmt text stop also k k w 13780 kcs running from 1630 gmt to 20 gmt stop also observe k e z rpt kez 10400 kcs 7 gmt to 2130 gmt daily and advise results stop will report later on observations your frequencies - stop =

The necessary coverage has already keen ordered here and Treuenbrietzen has also been informed.

Intercept Station Lauf.

---

(27) 27/2/(42?)

To Chi OKW Berlin, Gruppe I
Reference wlfa Nr. 226 of 27/2.

The 2 following reply service messages from odi to fzn have just been intercepted.

To fzn from odi on 28/2 0727 hours.

supt rca sf chef noumea fzn via ny bh 46 - fzn 0530 to 0700 gmt february 27 frame 76516 stop 0800 to 1200 gmt unheard stop rf your service february 27th regret arrangements for testing duplex not yet completed stop we will advise you soon as possible when we shall be able to test stop regards +

To fzn from odi on 28/2 0748 hours.

a 43 supt rca sf chef noumea fzn via ny bh - sya 65/27 arrangements for duplex testing have been completed stop wie will listen for fzn 11550 kcs 1000 gmt to 1100 gmt march third and will call on kei stop 2100 gmt to 2200 gmt march third winnnn third we will listen for fzn 16095 kcs and call on kqj please confirm +

Necessary coverage is ensured and Treuenbrietzen has been informed.

Intercept Station Lauf.

F.S.R. Station Treuenbrietzen

Nr. VII/1636/42 secret

To F.S.R. Station
Lauf.

Subject: Multiplex Wireless System (Single Channel system)
Reference: Enquiry by phone by Chief Intercept Operator.
(see also communication Chi.E.14a V Nr.620/42
secret of 31.1.42).

The transmitter vpt - Malta having used the Multiplex system in wireless traffic for some time, the British transmitter gno = Ongar has now appeared with this wireless system also. Both transmitters are operating message exchange traffic, the volume of messages at the present time is, however, slight especially of messages to be taken (see M.B May 42, Treuenbrietzen). In addition vpt frequently gives dots only while gno is continually jammed at the present time by other British transmitters - presumably internal transmitters.

The interception of Multiplex traffic is not possible with the Hellschreiber since the symbols appear completely distorted. On the other hand this traffic can be intercepted and read without difficulty with the Reichard-Schreiber, which the unit is employing here, provided that the transmitter is heard without interference.

The Reichard-Schreiber makes the usual morse symbols in curves, as you know, whereby the symbols are of varying lengths as with the Hellschreiber. Dots and dashes are immediately recognizable by their different lenghts.

The single channel system, however, appears on the Reichard-Schreiber with completely changed symbols.

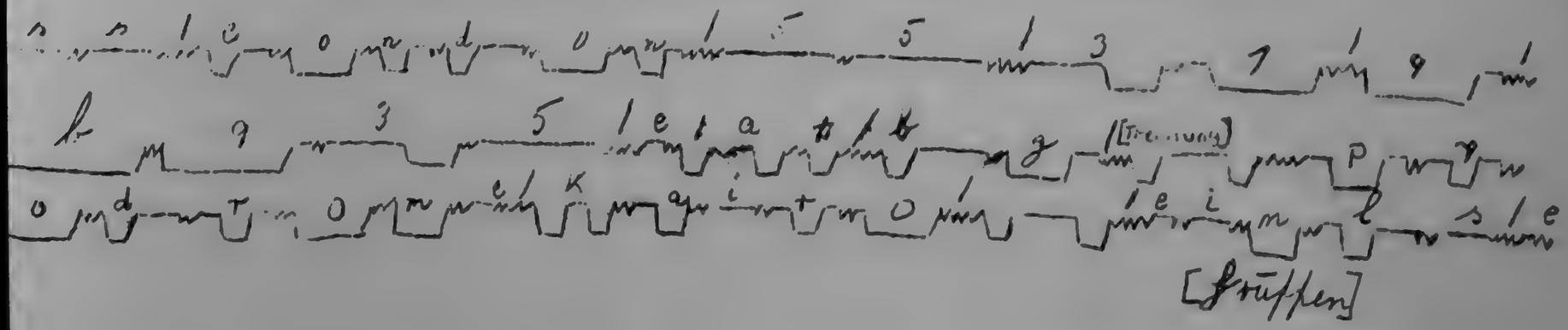
1) The dots are represented as strokes in this system.

2) The dashes are represented as divisions in which the length of the division indicates the number of dashes.

3) Spaces between letters are indicated by two dots (rather indentations), spaces between words consist of four dots (indentations).

4) To sum up it may be said that the upper lines represent dots and the lower lines dashes whereby dots and dashes are of the same length.

See the following example: (-length of symbol E or T)



It is advisable when intercepting this traffic to adjust the Schreiber so that the indentations, drawn from top to bottom, extend only to the middle of the strip measured from the upper line from which the dots are to be read to the lower line which contains the dashes.

The person reading off must determine the length of the unit before commencing to read, i.e. he must measure the shortest symbol (E) on the upper line contained within two indentations or determine the length of the shortest (i.e. the same length) symbol (T) on the lower line. All other symbols can be found from the length of this unit.

An experienced reader recognizes immediately whether it is a cypher or plain language text since the four indentations appear as group separator at regular intervals while the indentations when word separators naturally appear at irregular intervals.

Repeat of the above text:

SS London 55 31 9 0935 etat bg - prodrome cairo
- eimsl e (etc)

w = letter separator
ww = group on word separator
Intercept strips attached.

(signature illegible)

---

(29) 31.10.44.

To Fixed Signal Reconnaissance Station Laui.

Secret. W.e.f. 1.11.44 0000 hours Witraut will take over entire English short waves. Transmitters gbo 5, gle, glt, gmx, gnq, got, gov 4 are to be continuously covered. As far as practicable continuous cover is to be given to the following stations glq, gok, gon, got, goz, goz 2. Lauf and Teruenbrietzen will cease to monitor English short-wave w.e.f. 0000 hours 1/11.

OKW Chi signed Mettig.

Section 3

Swedish Traffic

1.

Chi I (Ib) Berlin 8/43

To FSR Stn. Lauf
" " Treuenbrietzen

Stürmer

Techn. Insp. (N) Pokojewski, at present Fu Ü Komp. 612.

Ref: comparative monitoring Sweden.

During period 25/8 - 29/8 a comparative monitoring of the Swedish stations will be carried out by Treffer, Stürmer and a special party in Kranz/Königsberg.

The following Swedish transmitters are to be monitored at the times given; those in brackets are alternatives only to be monitored when one of the main transmitters is not in operation during the prescribed monitoring period:

25/8 1300 - 26/8 1300 GST.

shl 27.63 Karlsborg
(sdy 33.45 "

sdo 21.70 Varberg
sdz 31.32 ")

26/8 1300 - 27/8 1300 GST.

sdq 19.18 Motala
(sdx 31.77 "

sdc 19.13 m Varberg
sdu 16.50 " ")

27/8 1300 - 28/8 1300 GST.

sde 21.72 m Varberg
(sdt 19.15 " "

sdm 24.94 Varberg
shg 15.63 ")

28/8 1300 - 29/8 1300 GST.

sdk 27.83 Motala
(shm 44.53 Karlsborg

sho 27.73 Karlsborg
shr 31.92 ")

This monitoring is to be continuous. A separate daily report should be made for each transmitter, marked " Comparative monitoring Sweden". Enter remarks on reception conditions (signal strength, foreign interference, echo etc.) at each hour for the previous hour. All cypher messages to be intercepted and read off according to address list.

All messages intercepted to be sent in (Stürmer and Treffer will not send any messages of these stations from the comparative monitoring period direct to Gr. IV. Sending by T/P not affected by this) direct to Chi Gr. I in separate envelope. Special party to deliver material on reporting in Berlin on 30/8.

Insp. Pokajewski is to make same enquiries during his stay in Kranz as in undertaking Hildegard.

2.

Chi I(Ib) Berlin 11/11/43

To FSR Stn. Lauf
" . " Treuenbrietzen

Gr. III

Freya.

Ref: change in monitoring areas

From 15/11 0000 hrs the assignments schedule is altered as follows:

Treuenbrietzen ceases to monitor the Swedish shortwave transmitters; only Freya and Stuermer continue to monitor them.

Kissen

3.

To OC Interception 24 May 1944
Lauf.

Subject: Result of the special covering of the Swedish transmitters.

In accordance with instructions on 15 May the Swedish transmitters were monitored every half hour in the 24 hours. The result is given in Appendix 1.

On Sunday 21 May the transmitters hitherto allocated were again monitored - see Appendix 2 for result.

Mayerthaler

Wachtmeister.

Appendix 1.

Station	m	covered from	to	nothing heard from	to	heard from	to	volume	remarks
sde	27,83	16.5.	17.5.	0700	0700				
✓ sde 2	27,77	"	"	0700	0700				
✓ sde 3	21,71	"	"	0700	0930	1000	1230	1	
				1300	1700	1730	2030	3	✓
						2030	0300	1	?
				0300	0700				
- sde 4	19,13	17.5.	18.5.	0700	0700				
✓ sdi	44,53	"	"	0700	0700				
✓ sdi 2	27,73	"	"			0700	0830	1-2	not perfect
						0830	1400	3	
				1430	1630	1630	1900	4	✓
						1900	0100	2	
				0130	0700				
- sdm	52,50	18.5.	19.5.	0700	0700				
sdm 2	44,46	"	"	0700	0700				
✓ sdm 3	40,42	"	"			0700	1300	4	
				1300	2200	2200	0100	3	✓
						0100	0700	1-2	
- sdm 4	31,92	19.5.	20.5.	0700	0700				
✓ sdm 5	27,63	"	"	0700	1000	1030	2130	4-5	✓
						2200	2400		heard, nothing to note, echo.
				2400	0700				
- sdm 6	24,94	"	"	0700	0700				
- s?? 2	31,82	20.5.	21.5.	0700	0700				
✓ sdq 3	27,87	"	"	0700	0930	1000	1230	4	✓1900-0100 sdi 2 jammed.
				1300	0700				
- sdq 4	24,59	"	"	0700	0700				
- sdq 5	21,79	22.5.	23.5.	0700	0700				
✓ sdq 6	19,18	"	"			1300	1900	3-4	1630-1900 interference by multiplex transmitter much fading, echo.
						1900	2300	2-3	nothing to note
				2300	0700	0730	1000	3-4	✓
				1000	1300				
sdt	19,15	22.5.	23.5.	1300	1300				
sdy	50,15	23.5.	24.5.	1300	1300				1900-0100 much fading
sdy 3	33,45	"	"			0700	1300	4-5	
						1300	2130	3-4	✓
						2200	0100	4-5	nothing to note owing interference by R/T transmitter
				0100	0700				

Appendix 2

Station	m	covered from to	nothing heard from to	heard from to	volume	remarks
sdc	27,83	21.5.22.5.	0930 0700	0700 0930	3	
sdc 2	27,77	" "	0700 0700			
sdi	44,53	" "	0700 0700			
sdi 2	27,73	" "	0700 0830	0900 1900	4	
sdl	51,30	" "		0700 1300	3	at times much fading
sdm 2	44,46	" "	0700 0700			
sdm 3	40,42	" "		0700 0800	3	
				1300 0100	4	
				0130 0700	2	until 0230 taking by hand only possible, after 0230 nothing more to note
s?? 5	27,63	" "	0700 0700			
sdq 3	27,87	" "	0700 0700			
sdq 6	19,18	" "		0700 1300		at times good, sometimes not, hand.
sdt 2	19,15	" "	1300 0700	0700 1300	2-3	

List of Transmitters SWEDEN

Location	Call-sign	Freq. meters.
Varberg?	sdc	27,83
Varberg	sdc 2	27,77
"	sdc 3	21,72
"	sdc 4	19,13
Karlsborg	sdi	44,53
"	sdi 2	27,73
"	sdm	52,50
"	sdm 2	44,46
"	sdm 3	40,42
"	sdm 4	31,92
"	sdm 5	27,63
Varberg	sdm 6	24,94
"	sdq 2	31,82
"	sdq 3	27,78
Karlsborg	sdq 4	24,59
Varberg	sdq 5	21,71
Motala	sdq 6	19,18
Varberg	sdt 2	19,15
Motala	sdy	50,15
Karlsborg	sdy 3	33,45

"Thusnelda" 1 June 1944

To OC Interception
Lauf.

Subject: Result of the second special covering of the Swedish transmitters.

In accordance with instruction on 24 May the Swedish stations were again covered, this time, however, in groups. The result is given in Appendix 1.

Mayerthaler
Wachtmeister

Appendix 1

Station	m	covered from	to	nothing heard from	to	heard from	to	qsa	remarks
sda	40,35	24.5.	25.5	1100	1300				
sda2	33,09	"	"			1300	1700	3-4	
						1730	2400	4	
sdc3	21,71	25.5.	26.5.			1200		2-3	only possible to take by hand
						1230		3	" " "
				1300	0100				
sdc2	27,77	"	"	1300	1300				
sdi2	27,73	"	"			0700	1300	3-4	
						1300	1900	5	
						1900	2130	3-4	
sdi	44,53	"	"	0700	0700				
sdi3	24,56	24.5.	25.5.			1100	1300	3-4	
						1300	1900	3-4	
sdl(1)	51,20	"	"			2400	0600	304	
sdn6	24,94	25.5.	26.5.	0700	1300				
sdn5	27,63	"	"			0700	1300	2-3	Coupled with "sdq"
sdn4	31,92	"	"	1300	1900				
sdn3	40,42	"	"			1900	0100	3	Coupled with "sdt"
sdq6	19,18	26.5.	27.5.	0700	1300				
						1930		2	Only possible to
						2000	2230	1-2	take by hand
						2300		2	" "
				2330					
s??5	21,17	"	"	0700	0100				
sdq4	24,59	"	"	0700	2030				
						2100	2400	1-2	Fading only possible to take by hand
						0030		2	
sdq3	27,87	"	"	0700	0100				
sdq2	31,82	"	"	0700	0700				
sdt2	19,15	"	"			0700	1300	4-5	
				0100	0700				
sdy	33,45	"	"	0700	0700				
sdy3	33,45	"	"			0700	1300	3-4	considerable fading
						1300	1900	3	
						1900	0100	4-5	
						0100	0700	3-4	heard well, reception bad, distortion.

4.

4.9.44

Teleprint

To FSR Station Lauf.

It is reported from a reliable source that wireless traffic (secret transmitters) takes place daily from 17 to 18 hours, Swedish time, from Stockholm to ? Bucharest and vice versa. Stockholm uses the call-sign a1p, frequency 2000 kcs and 7300 kcs (frequency 7300 was not clearly indicated). The interception of this traffic is to be undertaken by both stations immediately and the results are to be reported to us.

OKW Chi.

Section 4

Italian Traffic

1.

Chi OKW Berlin 12/10/39

To Intercept Stn. Tennenlohe

W.i.e. the following traffics are to be monitored and the results (cypher messages) to be sent to Chi OKW by T/P. Particular value is attached to all messages with the signature "Auriti" (Ital. Ambassador Far East).

ibf. (33.09 m) to ixp
ixp. (33 m ?) to ibf
} main traffic time 1900-2200 hrs.

irl. (15.26 m) to jnq 2
jnq 2 (15.84 m) to irl
} " " " 0000-2400 hrs.

Kempf.

2.

I.Stn.Lauf 11/1/42

To Chi OKW Gruppe V

Ref: message transmission Italy.

A schedule of message interception in wireless traffic Italy with Far East, Balkan states and Tangier from December 41 to 8/1/42 is appended.

The traffic mentioned continues to be monitored without reduction, same allocation and personnel.

Operators state, and the schedule shows, that decrease in messages sent compared with December is mainly in traffic Italy-Far East and vice versa.

Many messages which cannot be intercepted however are sent on this line, such as maristat roma, marina roma and others.

In traffic Italy-Tangier station iqc (Tangier) is not heard here, as it works on a frequency not yet ascertained by us.

In general wireless traffic Italy is greater in December than in preceding month.

---

3. Lauf 23.4.44.

FSR Station, Lauf.

Chi OKW, Gruppe Ib
Herrn Amtmann Klinger
Berlin

Suggject: Italian international wireless traffic

The following transmitters are monitored here in the Italian international wireless traffic.

			Traffic with:
Ran Torrenova	ire	6300 m	Portugal, Germany, Hungary, Switzerland, Bulgaria, Sweden, Turkey, Rumania.
" "	irs	33.10 m	Japan
" "	irt	45.79 m	Japan, China, Sweden, Denmark, Germany, Hungary, Bulgaria, Portugal, Switzerland, Turkey.
" "	irx	24.96 m	Japan, Deutschland
Barcelona	iga	34.01 m	
	"	56.48 m	Italy, Teneriffe
Teneriffe	igb	28.20 m	Barcelona
Naples ?	ica	22.66 m	USA
"	"	32.98 m	
"	"	44.02 m	
?	icb	24.94 m	USA, England

The last two transmitters, in the area occupied by USA troops, are used only for the Press service and for the transmission of private messages.

The transmitters irs and igb very seldom operate. The diplomatic messages are in plain language with the exception of the Japanese messages to Berlin or sent to Tokio via Berlin and they are comparatively very few and have greatly diminished in the last month.

So far this month 12 plain language messages from ire and irt have been intercepted of which only 2 were transmitted with the address "Italdipl Berlin" to Berlin.

Section 5

French Traffic

1.

Chi OKW

Berlin 12/9/39

Ref: Interception.

To Intercept Stn. Tennenlohe

Encyphered messages from various reliable sources have been received here, the contents of which are extremely valuable. The following wireless traffics, not monitored by you up to the present are concerned:

Traffic	Callsign	Time	Address	Signature
Stockh.-Paris	sav-fye saz	1930	Diplomatic Paris	Maugras
Oslo-Paris	lct-ftq	1605	"	Bruère
	lcj-ftl	1941 2030		
Paris-Buenos Aires (Morocco)	fce-lci	2335	Ambafrance BA	Diplomatic

Tokio-Paris details not yet available

In view of the importance of messages obtained from these traffics by other sources, every effort should be made by you also to intercept this message material - as far as possible encyphered - and sent it to Chi OKW by the speediest route.

Kempf .

N.b.

Frequencies were not given.

2.

5.10.39.

Chi OKW

Ref: Interception.

To Intercept Stn. Tennenlohe.

Below are given various international wireless traffics the interception of which is of great importance as regards encyphered message contents:

Tokio Fyc - fze 19m 1336, 1412 } Intercepted by Treuenbrietzen only at beginning of August 1939.

jun - ftd, fzd 15.7m 1245, 1259, 1320, 1450, 1518 }

(more precise details not possible). During September many good intercepts from Gamba.

Balkans	Paris-Bucharest	ftl-odb	1405	
		fzo-odg	1320	
		fzo-odb	1400	
	Paris-Belgrade	ftl-yto	1510	
		ftr-yta	1415	Budapest
	Belgrade-Paris	yta-ftr	1820	
	Sofia-Paris	lzb-har	1305	intercepts.
			1905	
	Athens-Paris	ytm-ftr	1930	
		yta-ftq	2200	

Further, Chi IV reports that isolated cypher message intercepts

Sofia-Paris	lyb-har	40.20 m	1250
	lzb		1949
			2331

are good, but that intercepts of cypher messages on

Budapest-Paris	hat2 - fyn	44.86 m	1330
			1500
			2035

made by you are very unreliable.

3.

Chi. Berlin 15/3/40

Ref: French Naval traffic

To Intercept Stn. Lauf.

In letter Chi Az. E. 14a V No 555/40 secret of 2/2/40 in para 2) orders were given that messages with following addresses or signatures: "amiraute' française; marine djibouti; marine diegosuarez" were no longer to be intercepted, as Chi IV was no longer interested.

The French stations for international traffic (principally Paris "tyo") also send Naval cypher messages, the contents of which are of great value for SKL (Marine).

As the monitoring stations of the Navy only monitor the purely naval wireless stations, the intercept stations are instructed to take the Frerch naval traffics sent by international transmitters as far as monitoring permits. In no circumstances should the interception of international diplomatic messages be restricted.

In addition the P/L messages sent from the Vatican (hvj) should no longer be intercepted, as most of them contain only congratulations and blessings.

4.

Chi. Berlin, 14/5/40.

Ref: Traffic Beirut - Paris

To. Intercept Stn. Lauf.
Madrid for information.

We are very interested in wireless traffic Beirut-Paris and vice versa. it has been assigned to Stn. Lauf and Special Party Southwest for constant monitoring and has yielded some good results. However, complete interception of the numbered messages has not been possible, doubtless owing to atmospheric interference, fading or other causes; sometimes a gap of 14 days in messages has occurred.

We therefore repeat instructions to monitor this traffic especially carefully in order to obtain as complete message interception as possible.

Observations of interference or other causes making message interception impossible are to be reported to Chi/OKW Gr. V.

Kempf .

5.

Chi V Berlin 11/11/40

Ref: French secret transmitter

To Intercept Stn. Lauf
" " Treuenbrietzen.

It is reported from a reliable source that the colleague of the French military attaché Jean Collette is using a secret transmitter with which he radioes to Vichy. The following data are given:

Wavelength 38-42.
Transmitter correct: 40 m
Crystal
Callsign(s) unknown.

Monitor transmitter in question in your search duty and if any facts are ascertained report them by T/P to Chi OKW.

6.

Chi I Berlin 10/12/40.

Ref: French P/L messages.

To I Station Lauf
" Treuenbrietzen

In connection with the conference of heads of intercept stations the directives given there concerning the above matter are sent on in writing:

All French P/L messages of military, political and economic content are of importance for the wako and units of the OKW.

Of especial importance:

a) Message traffic between Vichy and overseas possessions concerning:

Announcements,
Remittance of funds for the possessions,
Appointments, promotions, pensioning of officials and armed forces,
General requirements of home country and of colonies, commerical matters,
Shipping, commandeering of ships,
postal, telegraph and wireless traffic,
military details of units, troop movements and fighting activity (Dakar, Gaboon, Indochina),
demobilisation, releases etc., press and broadcast propaganda.

b) Traffic between de Gaulle and his supporters in London and Africa (incl. Belgian Congo), including proclamations, press reports etc., sent by wireless.

of little importance is traffic concerning passport and visa matters. Here we are interested only in names and nationality of those concerned.

of no importance is all private traffic (congratulations, enquiries after health of persons, except high ranking officers and government officials, money remittances, and the like).

To relieve the T/P lines only French P/L messages of especially important contents are to be sent to Chi OKW by T/P. For instance your T/P's WHL no. 1135, 1136,1137, 1138,1148,1149, of 9/12/40 were unimportant.

Kempf.

7.

Chi V Berlin 11/2/41

Ref: Replacement of wireless telegraphy link Roanne - Kaunas by link Roanne - Riga.

To Intercept Stations Lauf, Treuenbrietzen.

At the request of the U.S.S.R. and to improve wireless telegraphy links, the link Roanne-Kaunas will be replaced from 1st February onwards by the link Roanne-Riga. The French administration has given its assent to its correspondent's proposal for traffic Roanne-Riga daily with exception of Sunday from 0830-1930 GMT, every hour for 30 minutes from 30 minutes past to the hour.

Kempf.

8.

Chef HNW/Intercept Control Station Berlin, 20/2/41.

Ref: Interception of French colonial wireless traffic.

Fixed I. Stn. Strasbourg has the job of monitoring and evaluating exclusively the French army and air force wireless traffic between France and the colonies and within the colonies. Obviously colonial and diplomatic traffic is not intercepted by Strasbourg. It is therefore not advisable to distinguish the the assignment of tasks of Strasbourg and Lauf.

Station Strasbourg sends the last 3 I reports on loan to Stn. Lauf for perusal.

9.

To I. Stn. Lauf. 12/9/41.

It is learned from reliable source that direct international wireless link between Syria and Iran (Teheran) has been opened since 4/9/41.

10.

Berlin 19/11/41.

Chi V
Ref. Special Assignment.
To Intercept Station Lauf
" " Treuenbrietzen, for information.

An Army I Station has discovered in monitoring military traffics a wireless link also sending purely diplomatic messages with important contents. This is the Army wireless traffic between flz (Tientsin) and fag (Vichy War Ministry) which in the present instance was sent around midnight on wavelength 50 m. Address of message was: Diplomatic Vichy, signature: Cosme (French ambassador in Peking).

As far as possible this traffic is to be monitored and messages with the above address and signature to be sent by T/P to Chi OKW.

Kempf.

11.

Berlin 27/12/41.

Chi V

Ref: traffic Roanne - Brazzaville

To I Station Lauf,
" Treuenbrietzen for information.

1 encl.

French note No. 29721/EM/Tr of 7/12/41 with callsigns and frequencies Lyon-la-Doua, Croix d'Hins and Brazzaville is appended.

There is no official traffic between Roanne and Brazzaville, but only a personal one for the exchange of private communications from relatives at home and in Africa. The French government desires to maintain this traffic, as important deductions may be made from these items of family news.

The German Armistice Commission has given the French delegation permission to continue the traffic, in order to make deductions itself about the de Gaulle movement.

The wireless traffics specified are to be monitored and results sent to Chi.

Kempf.

Section 6

Miscellaneous Traffic and General Organisation.

1.

Chi OKW Berlin, 10/8/39.

Ref: Directives for monitoring

To Intercept Station Tennenlohe, Tennenlohe near Erlangen

In order to make best possible use of wireless receiving sets and personnel available, Chi OKW will continually issue directives showing which international traffics are considered of special importance. Encyphered messages are to be given special preference.

The following are the international transmitters whose messages are to be intercepted until further notice:

1) Warsaw
Cracow
Radom

2) Paris

3) London

4) Rome

5) Ankara

6) Bucharest

All diplomatic cypher messages from the above transmitters are to be intercepted where possible, with the exception of messages sent to Russia, Japan and China; those sent to and from England in figures are not to be intercepted, but those in letters are to be.

7) Also of importance are encyphered messages sent from N. America.

8) From South America only cypher messages from Argentine, Chile and Mexico are to be intercepted.

9) As soon as the League of Nations Council assembles in Geneva, which will probably be in September this year, all cypher messages sent from Geneva will be of value.

The callsigns and frequencies required to intercept individual transmitters are to be taken from the Traffic Report of international wireless stations of 10/7/39. In addition Chi OKW is preparing a report giving further details of frequencies, callsigns, message addresses and principal traffic times, which will be of use in speedy identification of the most important diplomatic messages. As soon as these data have been completed they will be sent to you.

[signature illegible].

2.

Chi OKW Berlin, 25/9/39.

Ref: Special monitoring Prague.

To Intercept Station Tennenlohe.

In confirmation of previous telephone message orders are hereby given for special monitoring of the various international transmitters of Prague with other countries. Particular value is attached to interception of traffic with Jugoslavia.

Kempf.

3.

Chi OKW Berlin 1/11/39.

Gr. V.

Results of special monitoring

from 18/9 - 30/9/39

Country	Cypher messages	P/L messages	Total
Italy	183	65	248
Turkey	104	34	138
Rumania	97	37	134
Hungary	64	51	115
Holland	32	57	89
Jugoslavia	11	3	14
Belgium	6	3	9
Bulgaria	4	2	6
Poland	-	5	5

from 1/10. - 31/10/39

Country	Cypher Messages	P/L messages	Total
Italy	408	164	572
Turkey	355	105	460
Hungary	229	177	406
Rumania	151	121	272
Holland	72	86	158
Sweden	65	51	116
Jugoslavia	49	12	61
Russia	40	12	52
Bulgaria	9	1	10
Norway	9	4	13
Belgium	3	1	4

4.

Chi OKW Berlin, 19/12/39.

To Intercept Station Lauf.

Monitoring can be reduced w.e.f. 19/12/39 until further notice by discontinuing monitoring of the following countries:

Rumania
Turkey
Great Britain
Bulgaria
Germany with Protectorate of Bohemia and Moravia.

It just be ensured, however, that with the exception of the reductions monitoring of countries according to Intercept Assignment schedule (WNV/Chi No. 6691/39 secret of 24/11/39) is fully carried out.

Kempf.

Interception Lauf & Treuenbrietzen [illegible]n. 40.

Figures arrenged by addresses.
() no. in previous month
x Increase in number
* Decrease.
Countries arranged in order of no. of messages of both intercept stations together.

Serial No.	Country	Lauf Cypher	Lauf Clear	Notes	Treuenbrietzen Cypher	Treuenbrietzen Clear	Notes	Lauf + Treuenbritzen Cypher	Lauf + Treuenbritzen Clear	Notes
1.	Russia	188 (502)	- (5)	*	1146 (416)	6 (1)	x	1334 (918)	6 (6)	x
2.	Great Britain	325 (270)	37 (8)	x	471 (94)	109 (5)	x	796 (364)	146 (13)	x
3.	France	220 (404)	6 (10)	*	260 (194)	13 (4)	x	480 (598)	19 (14)	*
3a.	"Colonial"	525 (-)	106 (-)	x	3 (-)	6 (-)	x	528 (-)	112 (-)	x
4.	Italy	233 (250)	13 (10)	*	217 (93)	19 (13)	x	450 (343)	32 (23)	x
5.	Turkey	83 (156)	6 (8)	*	126 (92)	4 (-)	x	209 (248)	10 (8)	*
6.	Sweden	62 (54)	14 (20)		101 (54)	71 (8)	x	163 (108)	85 (28)	x
7.	U.S.A.	48 (72)	18 (5)	*	95 (39)	10 (-)	x	143 (111)	28 (5)	x
8.	Rumania	89 (75)	19 (5)	x	47 (42)	8 (5)	x	136 (117)	27 (10)	x
9.	Finland	55 (32)	11 (25)	x	61 (10)	22 (2)	x	116 (42)	33 (27)	x
10.	Hungary	17 (18)	52 (36)	x	16 (9)	64 (-)	x	33 (27)	116 (36)	x
11.	Brazil	50 (17)	4 (1)	x	16 (9)	- (-)	x	66 (26)	4 (1)	x

Interception Lauf & Treuenbrietzen Jan. 40. (contd.).

Serial No.	Country	Lauf Cypher	Lauf Clear	Notes	Treuenbrietzen Cypher	Treuenbrietzen Clear	Notes	Lauf + Treuenbrietzen Cypher	Lauf + Treuenbrietzen Clear	Notes
12.	Belgium	27 (21)	1 (1)	x	18 (4)	2 (-)	x	45 (25)	3 (1)	x
13.	Greece	6 (34)	3 (1)	*	24 (18)	5 (2)	x	30 (52)	8 (3)	*
14.	Bulgaria	17 (27)	2 (1)	*	14 (21)	2 (-)	*	31 (48)	4 (1)	*
15.	Poland	17 (18)	5 (2)	*	11 (8)	- (4)		23 (26)	5 (6)	
16.	Spain	19 (30)	2 (3)	*	8 (8)	3 (1)		27 (38)	5 (4)	*
17.	Portugal	11 (14)	- -		11 (10)	- -		22 (24)	- -	*
18.	Jugoslavia	9 (11)	- -		7 (8)	- -		16 (19)	- -	*
19.	Denmark	10 (8)	4 (3)	x	4 (1)	3 (-)	x	14 (9)	7 (3)	x
20.	Vatican	13 (8)	- -		1 (6)	- -		14 (14)	- -	
21.	Norway	2 (9)	4 (24)	*	11 (2)	8 (1)	x	13 (1:)	12 (25)	*
22.	Lithuania	5 (7)	- (1)	*	7 (2)	4 (-)	x	12 (9)	4 (1)	x
23.	Switzerland	8 (6)	6 (1)	x	3 (3)	1 (-)		11 (9)	7 (1)	x
24.	Latvia	- (7)	- (2)		8 (6)	54 (-)		3 (13)	54 (2)	x
25.	Argentina	7 (-)	- -		2 (-)	- -		9 (-)	- -	x
26.	Netherlands	4 (3)	5 (1)		2 (-)	1 (1)		6 (9)	6 (2)	
27.	Chile	3 (-)	- (-)		- (-)	- (-)		3 (-)	- (-)	

6.

5/1/40.

Message Interception Lauf & Treuenbrietzen December 1939.
(by countries)

These figures show the wireless messages intercepted by Lauf and Treuenbrietzen during December 1939 arranged by countries (addresses) regardless of which transmitting station sent them.

Serial No.	Country	Lauf Cypher	Lauf P/L	Treuenbrietzen Cypher	Treuenbrietzen P/L	Total Cypher	Total P/L
1.	Russia	502	5	416	1	918	6
2.	France	404	10	194	4	598	14
3.	Gt. Britain	270	8	94	5	364	13
4.	Italy	250	10	93	13	343	23
5.	Turkey	156	8	92	-	248	8
6.	Rumania	75	5	42	5	117	10
7.	Sweden	54	20	54	8	108	28
8.	U.S.A.	72	5	39	-	111	5
9.	Finland	32	25	10	2	42	27
10.	Hungary	18	36	9	-	27	36
11.	Greece	34	1	18	2	52	3
12.	Bulgaria	27	1	21	-	48	1
13.	Spain	30	3	8	1	38	4
14.	Norway	9	24	2	1	11	25
15.	Poland	18	2	8	4	26	6
16.	Brazil	17	1	9	-	26	1
17.	Belgium	21	1	4	-	25	1
18.	Jugoslavia	11	-	8	-	19	-
19.	Latvia	7	2	6	-	13	2
20.	Denmark	8	3	1	-	9	3
21.	Vatican	8	-	6	-	14	-
22.	Netherlands	9	1	-	1	9	2
23.	Lithuania	7	1	2	-	9	1
24.	Portugal	14	-	10	-	24	-
25.	Switzerland	6	1	3	-	9	1

The above figures only include messages with important state addresses; messages with private or commercial addresses have been disregarded.

7.

Chi. Berlin, 19/1/40

Ref: Special monitoring Greece.

To Intercept Stn. Lauf, Treuenbrietzen.

Chi/IV for information.

At present it is necessary to monitor Greek wireless traffic as completely as possible, everything sent in Greek by Greek and other stations being of interest.

1) As far as international traffic is concerned, the difficulty is that there are no international transmitters in Greece. Everything which has been intercepted up to date of Greek diplomatic messages comes from pass-on traffics.

The following traffics have, so far, been intercepted by the two intercept stations:

from			to			passed on via	
Foreign	office	Athens	Greek Leg.		Berlin	Rome	iqu
"	"	"	"	"	Budapest	"	"
"	"	"	"	"	Moscow	Ongar	gla
Gr.Leg.		Brussels	Foreign	Office	Athens	Belgrade	ytb
"	"	London	"	"	"	Stuhlw' burg - Sofia	hat lzb
"	"	Moscow	"	"	"	Sofia	lzb
"	"	Berne	"	"	"	Belgrade	ytb
						Ongar	gla
"	"	Ankara	"	"	"	Sofia	lzs
"	"	Budapest	"	"	"	Sofia	lzb
						Rome	iqu

In addition various traffics of Greek legations between each other have been intercepted.

Experience up to now has thus shown that the Greek diplomatic messages can only be intercepted via pass-on transmitters, the principal ones being Belgrade, Ongar, Rome, Sofia and Stuhlweissenburg. Hence an intensified search should be made in monitoring these (and all other) transmitters for cypher and P/L messages (including private messages) in Greek, e.g. the traffic should be combed for them.

2) Because of the geographical dispersion of the Greek state in a large number of islands separated from each other by long distances there has been for some time an internal Greek wireless traffic, above all between the mainland and individual islands (e.g. Crete) and probably between island and island also.

As we know, this traffic can also be heard in Germany; it is mainly on the medium waveband about 800m. A list of Greek stations with callsigns and wavelengths according to the Berne list is therefore appended. It is not known however if the transmitters included in it are working at the present time. Your receivers are to be put on the desired traffics accordingly and the results of monitoring are to be sent every morning at 0900 hours by T/P to Chi.

Kempf.

Tx.	Callsign	Freq. m.	Kcs.	Geographical position	
				East or West	North or South
Alexandroupolis (Dede Agac)	sxd	800	375	25 53 54 0	40 49 52 N
	sxd	706	425	"	"
	sxd	600	500		
Chania (Kreta)	sxn	800	375	24 01 00 0	35 28 05 N
	sxn	706	425	"	"
	sxn	677	443	"	"
	sxn	600	500	"	"
Corfu (Kerkyra)	sxk	800	375	19 54 21 0	39 37 11 N
	sxk	706	425	"	"
	sxk	636	472	"	"
	sxk	600	500	"	"
Iraklion Kritis (Kreta)	syc	4000	75		
Mytilini (Lesbos)	syb	3250	92,5		
Rion	sxx	600	500	21 46 16 0	38 18 57 N
Saloniki (Thessaloniki)	sxc	800	375	22 57 56 0	40 35 43 N
	sxc	706	425	"	40 35 43 N
	sxc	600	500	"	38 18 57 N
Samothraki	sxr	750	400	25 32 00 0	40 28 20 N
Spata	sya	3715	80,75		
	sya	2890	103,8		

8.

Chi. Berlin, 20/1/40.

Ref: Interception of German transmitters.

To Intercept Station Lauf.
" " Treuenbrietzen.

Continued scrutiny of intercept results has shown that both intercept stations have not carried out as desired the interception of German transmitters laid down in the schedule of assignments. This is obviously due to the operators considering the monitoring of German transmitters unimportant.

We therefore point out that this is a fundamental error. As former results of Army intercept stations have shown, the German transmitters Altenburg, Königswusterhausen and Nauen have very heavy traffic with foreign countries. (Up to 30 dipl. messages were intercepted daily). Apart from sending German diplomatic messages, which are not of interest here and which should not be intercepted, these transmitters send on firstly all messages of foreign representatives in Germany which are not sent by land-line. Secondly they are used to a large extent for pass-on traffic, and finally there are the messages coming by line into Germany from foreign countries and then passed on from here by wireless. The last class of messages, which is fairly large, can thus be intercpeted only by monitoring the German transmitters.

It may thus be assumed that careful and regular monitoring of German transmitters will considerably increase the number of messages and that a series of traffic links not yet ascertained (from point of view of addresses) will probably come to light.

You are therefore ordered to monitor the German transmitters regularly as provided for in the schedule of assignments.

The operators are to be instructed according to this letter, and the importance of intercepting messages from German transmitters also is to be made clear to them.

Kempf.

9.

Chi Berlin, 23/1/40

Az. E 14a V

No 380/40 secret.

To Intercept Station Lauf

In view of the shift of political interest, w.i.e. the following countries are to be monitored in addition to the existing intercept assignments:

Country	Wireless Stn.	Callsign	Freq.m.	Kcs.
Norway	Jelöy	Lcg	30,14	9955
			18,37	16335
	"	Lcj	30,06	9980
	"	Lck	15,03	19960
	"	LcL	37,38	8025
	"	Lcn	38,0	10715
	"	Lco	21,46	13980
	"	Lcp	20,62	14550
	"	Lct	3077	97,5
	Tryvasshögda	Lcb	32,22	9310
	"	Lce	4100	73,15
	"	Lch	5450	55,05
Sweden	Karlsborg	saj	4267	70,3
	"	sar	3024	99,2
	"	sau	31,80	9434
	"	sav	6000	50
	"	saw	3440	87,2
	Motala	sdb	27,83	10780
	Varberg	saq	17440	17,2
	"	sde	21,72	13815
Irak	Bagdad	yif	44,74	6705
	"	yig	36,88	8135
	"	yij	20,70	14490
	"	yik	16,02	18730
	Basrah	yit	3000	100
	"	yin	44,35	6765
Iran	Teheran	epa	27,75	10810
	"	epb	19,87	15100
	"	epL	3876	77,4
	"	epf	37 (?)	
Afghanistan	Kabul	yak	37,04	8100
			30,08	9975
			22,09	13580
			18,31	16385
			16,09	18640
Finland	Helsinki	oha	37,50	80
		ohb	2804	107
		ofp	34,94	8585
		ofr	33,71	8900

Above all, the interception of the messages between Syria (Puaux) and Paris (Diplomatic Paris) and vice versa is considered of importance. This traffic was sent up to 14/1 with the old callsigns fbh and fld. Since then callsigns have been constantly changed; frequencies are being retained at present.

These are apparently military-diplomatic messages, which are to be intercepted without fail owing to their importance.

Syria (Beirut) m : 23.03 m (13027 kos)
33.53 " (8948 ")
55.92 " (5365 ")

Old callsign for Beirut: fbh (1 or 2)

Old callsign for Paris: fld

Paris frequencies are: 21.50 m (13953.48 kos)
33.50 (8955.22 ")
44.50 (6741.57 ")
64.0 (4687.5 ")
78.0 (3846.15 ")
88.0 (3409.09 ")

[In pencil]

Already heard new frequencies

fle	λ	fbh	λ	date	
1oi	-	4f2	23m	14.1.40	
shl	-	53v	"	15.1.40	
ma7	-	d5b	56	16.1.40	
d74	-	1er	23	17.1.40	
eu8	-	-	56	19.1.40	
mar	-	ul1	23	20.1.40	
ev1	-	hw8	23	" " "	
mar	-	hw8	23	" " "	
oi6	-	12s	23/56	22.1.40	
ejl	-	ru8	23/56	23.1.40	
4u2	-	m86	23	24.1.40	
taa	-	auj	23	25.1.40	
jer	-	ul6	23	26.1.40	
uar	-	qv3	23	27.1.40	
tsa	-	jzr	23	29.1.40	
usp	-	ow7	23	30.1.40	

2-4 messages daily

Figures arranged by addresses

( ) number in previous month
x Increase
* Decrease

Countries in order of no. of messages for both I. Stations combined:

Serial No.	Country	Lauf Cypher	Lauf Clear	Notes	Treuenbrietzen Cypher	Treuenbrietzen Clear	Notes	Lauf + Treuenbrietzen Cypher	Lauf + Treuenbrietzen Clear	Notes
1.	Russia	228 (188)	- (-)	x	1295 (1146)	28 (6)	x	1523 (1334)	28 (6)	x
2.	Gt. Britain	353 (325)	47 (57)	x	236 (471)	84 (109)	*	589 (796)	131 (146)	**
3.	France	409 (220)	12 (6)	x	299 (260)	12 (13)	x	708 (480)	24 (13)	xx
3a.	" Colonies	681 (525)	157(106)	x	- (-)	- (-)		681 (525)	157 (106)	x
4.	Italy	263 (233)	17(13)	x	219 (217)	23 (19)		482 (450)	40 (32)	x
4a.	" Colonies	74 (-)	324(-)		- (-)	- (-)		74 (-)	324 (-)	
5.	Turkey	167 (83)	21 (6)	xx	167 (92)	5 (4)	xx	334 (209)	26 (10)	xx
6.	Sweden	149 (62)	100 (14)	xx	118 (101)	74 (71)	x	267 (163)	174(83)	xx
7.	U.S.A.	90 (48)	49 (18)	xx	89 (95)	6 (10)	*	179 (143)	55 (23)	x
8.	Rumania	62 (89)	44 (19)	*	43 (47)	17 (8)	*	105 (136)	61 (27)	*
9.	Hungary	38 (17)	85 (52)	x	19 (16)	55 (64)		57 (33)	140 (116)	x
10.	Spain	38 (19)	- (-)	xx	24 (8)	- (-)	xx	62 (27)	- (-)	xx
11.	Belgium	34 (27)	6 (1)	x	23 (18)	1 (2)	x	57 (45)	7 (3)	x
12.	Bulgaria	31 (17)	4 (2)	x	27 (14)	5 (2)	x	58 (31)	9 (4)	x
13.	Portugal	32 (11)	- (-)	xx	22 (11)	- (-)	xx	54 (22)	- (-)	xx
14.	Greece	20 (6)	3 (3)	xx	33 (24)	4 (5)	x	53 (30)	7 (8)	xx
15.	Vatican	20 (13)	4 (-)	x	18 (1)	3 (-)	xx	38 (14)	7 (-)	xx
16.	Poland	18 (17)	- (5)		19 (11)	- (-)	x	37 (28)	- (5)	x
17.	Brazil	26 (50)	- (4)	*	10 (17)	- (-)	*	36 (66)	- (4)	**

Serial No.	Country	Lauf		Notes	Treuenbrietzen		Notes	Lauf + Treuenbrietzen		Notes
		Cypher	Clear		Cypher	Clear		Cypher	Clear	
18.	Norway	10 (2)	15 (4)	x	12 (11)	37 (8)	x	22 (13)	52 (12)	x
19.	Finland	17 (55)	18 (11)	**	4 (61)	3 (22)	**	21 (116)	21 (33)	***
20.	Netherlands	17 (4)	15 (5)	x	2 (2)	2 (1)		19 (6)	17 (6)	x
21.	Jugoslavia	12 (9)	7 (-)	x	6 (7)	3 (-)		18 (16)	10 ( )	x
22.	Switzerland	10 (8)	3 (6)		2 (3)	4 (1)		12 (11)	7 (7)	
23.	Argentine	7 (7)	- (-)		4 (2)	- (-)		11 (9)	- (-)	
24.	Chile	10 (3)	- (-)	x	- (-)	- (-)		10 (3)	- (-)	x
25.	Denmark	5 (10)	12 (4)	*	4 (4)	6 (3)		9 (14)	18 (7)	*
26.	Lithuania	3 (5)	2 (-)	*	5 (7)	3 (4)		8 (12)	5 (4)	*
27.	Latvia	- (-)	- (-)		6 (8)	38 (54)		6 (8)	38 (54)	*

11.

Chi V Berlin 20/2/40

Ref: allocation of receivers.

4 suppts.

To Intercept Station Lauf

Appended are 2 lists (extract from Berne list) in duplicate with the most important transmitters of the principal countries to be monitored, to be used as data for interception. This list also contains transmitters which have not yet been heard and which are not even known to be active, which must be ascertained by search.

Figures after the frequency column give the place of reception according to the data sent us by the I. Stns. Not yet allocated transmitters are to be added to the lists in red and the completed second copies to be sent us by 15/3/40.

Kempf.

Station	Callsign	Freq. m.	Monitored from 1/2/40 Lauf
Belgium & colonies.			
Ruysselede	ora	15,19	
	orb	27,15	
	orc	38,59	
	ord	22,19	7
	org	15,62	ø 9
	orj	27,43	
	ork	29,04	1
	orm	34,99	2
	oro	15,97	8
	orp	22,78	5
	orr	31,04	
	ort	55,81	
	oru	18520	3
	orv	43,37	
	orx	45,56	14
	orh4	3975	12
Congo			
Leopoldville	opL	14,97	8
	opm	29,59	
France (Colonies)			
Marokko			
Rabat	cnr3	33,03	
Somali			
Djibouti	fze	39,22	
	"	39,29	4
	fze2	27,53	6
	fze3	37,11	
	fze4	17,04	
	fze5	17,04	8
	fze6	62,37	
	fze8	17,36	8/4
	fze9	39,65	4
West Africa			
Brazzaville	fzc	16400	
	fzi	25,06	5
	"	25,07	
	fzi2	29,88	
	"	29,90	
	fzi3	19,05	
	"	19,06	
	fzi4	44,93	
	fzi5	16,27	ß
	"	16,28	
	fzi6	78,82	
	"	78,90	
Bamako	fzb	11880	3
	fzh	30,80	
	fzm	19,51	9
	fzm2	14,73	
	"	30,80	
	fzm3	14,71	
Dakar	fzk	26,16	6
	fzk2	19,39	9
	fzk3	30,25	
	fzk4	39,63	
	fzk5	39,68	
	fzk6	50,08	
	fzk7	62,11	
	"	62,18	
Kamerun			
Mokolo	fjd	33,11	
Madagaskar			
Antananarivo	fzd	15800	
	fzt	16,77	8
	fzt2	28,50	
	fzt3	24,44	
	fzt4	12,24	
	fzt5	30,42	
	fzt6	14,08	
	fzv	20,34	
	fzx	34,42	
Indo-China			
Hanoi	fzo	19,30	9
	fzo3	39,70	
	fzq2	40,50	4
Saigon	fza	15950	
	fzg2	17,54	9
	fzg3	27,71	
	fzr	18,48	8
	fzr4	25,02	
	fzs	16,31	8
	fzs3	31,19	9
New Caledonia			
"			
Nouméa	fzn	25,97	6
	fzn2	34,40	
	fzn3	18,64	
	fzn4	37,5	
	fzn5	12,93	
	fzn6	51,61	
Oceanien			
"			
Tahiti	fpb	600	
	"	706	
	"	800	
	"	2100	
	"	2200	

Station	Callsign	Freq. m.	Monitored from 1/2/40 Lauf
Oceanien			
Papeete	fzp	25,72	5
	fzp2	29,76	
	fzp3	33,14	
	fzp4	51,35	
	fzp5	12,88	
	fzp6	60,42	
	"	60,48	
	fzp7	18,32	
America			
S. Pierre	fqn	63,99	
Dostrellan	fpq	17,10	
	"	900	
	"	780	
	"	37,50	
	"	25,70	
Martinique			
Fort de France	fpi	1875	
	"	1546	
	"	1053	
	"	800	
	"	600	
	"	44,44	
	"	35	
	fzf	23,27	5
	"	23,25	5
Guayana			
Cayenne	fqa2	1500	
	fqa3	2000	
Greece			
Athens	svb	61,16	
Pallini	svc	60,67	
?	svj	30,5	
Italy (colonies)			
Leros	ipk	35,01	
	ipo	65,08	
	ipp	35,67	
	iqq	70	16
	"	1200	
	"	2051	11
Rhodes	idh	65	
	"	66,01	
	idL	69,96	
	idm	30,77	16
	"	42,49	16
	"	73,15	
	"	1200	

Station	Callsign	Freq. m.	Monitored from 1/2/40 Lauf
Rhodes	idn	1670	
	ipl	35,09	
	ipm	62,74	
	ipn	40	
	iqy	25,07	5
Lybian			
Benghazi	icj	29,31	
	"	50,44	16
	"	52,98	
	"	70	16
	"	1200	
	icr	36,82	
	idz	62,74	
	ipr	35,67	
	iqr	50	
	"	65	
Tobruk	idc	55	
	ixa	35,01	
	ixb	26	
	icu	52,98	16
	"	80,32	16
	"	1200	
Tripoli	ick	51,50	16
	ipj	26	
	"	43,4	
	ipq	65,08	
	iqL	50,44	
	"	50, 52	
	"	51,52	
	"	55	
	iqn	31,71	16
	iqx	20,11	
East Africa			
Addis Abbaba	iua	51, 02	16
	iub	39,37	16
	iuc	26	
	iud	16,42	16
	iuf	43,34	16
	iug	19,42	16
	iuh	65	
	iuj	25,71	
	iuk	32,57	16
	iuL	38,94	
	iup	20,82	
	iuq	21,67	
	iur	23,15	
	ius	22,87	
	iut	20,15	
	iuv	33,71	
	iuw	35,09	
	iux	35,67	
	iuy	40	
	iuz	43,43	
	ivL	17,37	

Station	Callsign	Freq. m	Monitored from 1/2/40 Lauf
East Africa			
Asmara	idu	22,42	16
	itp	65	
	itq	16,42	
	itr	51	
	"	65,08	
	its	50,44	
	itu	43,34	
	itv	38,02	16
	itw	37,94	
	ivs	64	
	ivt	48,43	
	ivu	40	
	ivv	23,15	
	ivy	33,71	16
Mogadiscio	isf	20,15	
	isL	35,67	
	isu	33,09	
	itj	18,35	16
	itg	28,01	16
	itm	39,87	16
	"	46,01	16
China			
Tientsin	iqe	55	
	iwa	56,30	
	iwb	48,43	
	iwe	40	
	iwh	31	
	iwj	26,53	
Tokio	ixp	38,90	16
?	idx	33,41	16
Netherlands & colonies			
The Hague	pdu	44,48	
	pfu	19,97	
	phu	13,39	
Kootwijk	pog	17800	
	pok	16,30	
	poL	18,40	
	pom	16,18	
	poo	20	
	pop	16	8
	poq	16,47	8
	por	20,60	
	pos	15,69	8
	pot	20,69	
	pov	16.60	
	pow	14,65	
	pox	16,03	
	poy	16,85	
	poz	14,83	

Station	Callsign	Freq. m	Monitored from 1/2/40 Lauf
Kootwijk	pdk	28,79	1
	"	28,80	1
	"	28,82	1
	pdL	38,78	
	"	38,81	
	"	38,83	
	pdm	38,61	
	"	38,63	
	r	38,66	
	pdo	36,67	
	"	36,70	
	pdp	32,47	
	"	32,49	
	pdq	27,29	6
	"	2730	
	pdr	28,02	1
	"	28,04	1
	"	28,05	1
	pds	27,94	6
	"	27,96	6
	pdt	40,82	10
	pdv	24,88	
	"	24,89	
	"	24,90	
	pdw	50,68	
	pdx	32,59	14
	"	32,61	14
	"	32,63	14
	pem	2975	11
	per	3550	11
	pew	4637	12
	pfa	16,82	
	pfc	16,25	
	pfd	18,34	
	"	18,35	
	pfe	16,23	
	"	16,24	
	pff	14,40	
	pfg	22,14	7
	"	22,15	7
	"	22,16	7
	pfq	21,95	
	pga	38,27	2
	"	38,29	2
	"	38,31	2
	pgb	36,79	
	pgc	31,97	14
	"	32	14
	"	32,02	14
	pgd	49,75	
	"	49,79	
	"	49,83	
	pge	65,22	14
	"	65,29	
	"	65,36	

Station	Callsign	Freq. m	Monitored from 1/2/40 Lauf
Netherlands & colonies			
Kootwijk	pgg	44,25	14
	"	44,28	
	"	44,31	
	pgk	43,86	
	"	43,89	
	"	43,92	
Netherlands Indies			
Bandoeng	pLe	15,92	
	"	15,93	
	"	15,94	
Bandoeng-jeuhkolot	pLg	18,80	
	pLj	20,51	
	pLk	20,72	
	pLq	28,09	6
	pmc	16,54	8
Bandoeng-Malabar	pLf	16,80	8
	pLr	28,22	
	pLv	31,83	
	"	31,86	
	"	31,90	
	pma	15,51	8
	pmb	14,58	
	pmd	37,48	
	"	37,52	
	"	37,57	
	pmw	17,02	8
Curacao	pjq	39	14
	pjs	25,66	2
	pjz	16,70	8
Portugal & Colonies			
Lisbon	oud	43,38	10
	oud 2	22,48	7
	oue	5160	
	oue2	6090	
	ous	18,87	
	ous2	28,88	
	out	37,06	4
	ouv2	24,54	
	"	23,31	
	ouw	15,64	8
	ouy	32,63	14
	ouL	35,97	14
	oux	33,44	14

Station	Callsign	Freq. m	Monitored from 1/2/40 Lauf
Azores			
S.Miguel	oua	2854	
	"	2791	
	"	2190	
Santiago			
Praia	oqi	18,45	
Lourenco	orn	18,37	
Switzerland			
Münchenbuchsee (Bern)	hba	300	
	"	5280	
	"	3632	11
	hbb	3130	11
	hbc	33,33	2
	hbd	44,73	
	hbe	19,99	7
	hbi	56,76	
	hbm	34,62	2
	hbn	15,54	
	hbr	37,97	
	hbt	26,79	
	hbu	44,70	
	"	30,81	
Prangins (Geneva)	hbg	4225	12
	hbj	20,64	9
	hbL	32,10	1
	"	31,27	
	hbo	26,31	5
	"	24,94	5
	hbp	38,48	2
	hbq	44,94	10
	hbh	16,23	8

Station	Callsign	Freq. m	Monitored from 1.2.40 Lauf
Spain & colonies			
Aranjuez	eaa	3671	12
	eaj	44,26	
	"	30,86	
	"	29,97	
	"	28,52	
	"	25,01	
	ean	64,17	
	"	61,48	
	"	50,20	
	"	43,89	
	"	43,57	
	"	38,07	
	"	30,70	1
	"	21,65	
	"	20,17	
	ean	15,58	8
	"	15,38	
	"	15,26	
	"	15,09	
	eaq	30,43	
	"	15,21	
	"	15,06	
	eaz	2857	
Barcelona	eab	3790	12
	eax	61,73	
	"	60,54	
	"	43,70	
	"	43,29	
	"	37,41	
	"	31,80	1
	"	21,79	
	"	20,13	
Porzuelo del Rey	edm	29,72	
	"	20,52	
	"	15,76	
	"	14,33	
	edn	28,25	
	"	20,52	
	edo	119,2	
	"	112,3	
	"	92,59	
	"	59,29	
	ehx	28,25	
	"	14,58	
	"	14,51	
	ehy	29,79	
	"	20,52	
	"	15,76	
	"	14,38	
Vallecas	eah	44,58	
	"	44,25	
	"	32,93	
	"	31,65	
	"	26,11	
	"	25,82	
	"	22,29	
	"	22,14	
	"	16,46	8
	"	14,74	
	"	14,56	
	"	14,31	
	edy	22,29	
	edz	31,65	
Canary Islands.			
S.Lorenzo	eak	43,67	
	"	30,55	
	"	21,75	1
	"	20,24	
	"	20,08	
	"	20,05	
	"	19,91	
	edt	43,51	10
Tenerifa			
Tablero (el)	ehz	53,37	
		28,93	
		18,40	

Deutschland

Station	Callsign	Freq. m	Monitored from 1.2.40 L	Tr.
Dt.Alten-	ded	3890	12	
burg (Wien)	def	2741		
	deg	60,20		
	dej	39,31	4	4
	dek	40,60	4	4
	deo	15,06	8	
	der	29,90	1	9
	dev	16 79	8	
	dew	3050	11	
	dex	23,20	5	
	dey	60,24	10	
	dez?			
K'wuster-	dkd	4304	12	1
hausen	dke	4673		
	dkf	4847	12	1
	dkg	5250	13	1
	dkh	5490		
	dkj	5690	13	
	dkL	6250		
	dkm	5550		
	dkn	3071		
	dko	3009		
	dLs	6460		
	dLu	4026		
	doa	77,72		
	dob	86,53	10	
	doc	39,80	4	4
	dod	38,62	4	4
	doe	32,8?		
	dof	57,09		
	dog	56,23	10	
	doh	51,72	10	
	doi	40,34		
	doj	39,42		
	dok	38,07		
	doL	37,19	2	3
	dom	31,95		
	don	29,62	1	9
	doo	74,91		
	dop	13,34	9	5
	doq	40,75		
	dor	14,96		
	dos	74,81		
	dot	44,28	4	4
Nauen	dfa	15,59	8	
	dfb	17,12		
	dfc	23,10	5	6
	dfd	20,46	7	6
	dfe	30,58	1	
Nauen	dff	65,43		
	dfh	43,74		
	dfi	40,17	14	
	dfj	15,23	8	
	dfL	27,65	6	
	dfo	30,83		
	dfp	37,39	10?	
	dfq	16,04	8	
	dfr	19,24		
	dfs	27,47	6	8
	dft	38,40	1	
	dfu	20,82	7	6
	dfw	13000	3	
	dfx	14700		
	dfy	18130	3	
	dfk	40,96	4	
	dga	27,82		
	dgc	30,36	1	9
	dgd	29,38	1	9
	dgg	22,76	7	6
	dgh	28,74	6	7
	dgi	40,09		
	dgj	22,43		
	dgk	44,91	10	
	dgL	24,93		
	dgm	30,63	6	
	dgn	40.05		
	dgo	22,68	7	6
	dgp	39,23		
	dgq	14,63		
	dgr	17,30	8	5
	dgw	14,90		
	dgy	16,78	8	5
	dgz	20,54	7	
	dgu	31,09	1	9

Protectorate Bohemia/Moravia

Station	Callsign	Freq. m	Monitored from 1.2.40 L	Tr
Prag-Podæ-	oLf	13,29	9	5
brad	oLg	30,08	1	9
	oLh	44,64	4	4
(dgm)	oLi	22,63	7	
	oLn	51,19	10	
	oLp	6170	13	2
	oLd	16,00	8	5
	oLt	34,08	11	1

Afghanistan

Station	Callsign	Freq. m	Monitored from 1.2.40 L	Tr
Kabul	yak	37,04	2	
	yak	30,03	2	
	yak	22,09	2	
	yak	18,31	2	5
	yak	16,09	2	
	yap	845		
	yap	800		

Bulgaria

Sofia	Lza	20,04	7	6
	Lzb	40,21	4	4/11
	Lzc	29,08	4	11
	Lzg	35,4	4	3/11
	Lzs	2850	11	
	Lzz	40,36	10	

Finland

Helsinki	ofp	34,94	4	3
	ofr	33,71	4	3
	oha	3750	12	1
	ohb	2804	11	1

France & Syria

S.Assise	fqo	24,67	5	8
	fro	15,45	9	5
	fse	21,79	9	6
	fso	22,12	7	6
	fta	25,13		
	ftb	40,05	10	4
	ftf	38,61	4	
	ftg	43,92	10	4
	fth	27,42		
	ftj	18,45		
	ftk	18,89		
	ftL	30,11	1	9
	ftp	27,60		
	ftq	9350	13	2
	ftr	9870	13	2
	fts	3280	11	1
	fts2	3215		
	ftt	14250	3	2
	ftu	19710		
	fty	38,05	2	4
	ftz	64,72	10	
Paris (Pontoise)	fyb	15,66	2	5
	fyc	18,83	4	5
	fyc2	30,49	4	9
	fyi	5340		
	fyp	3300	11	

Paris (Pontoise)	tyc	23,08	5	
	tyc2	38,96	5	
	tyc3	71,63		
Lyon.	fye	3650	11	1
	fye2	3690		
	fyn	15150	3	2
	fyo	3114	11	1
	fyr	25,75	5	8
	fyz	5960	13	
Croix d'Hins	fyL	19150	3	2
	fym	29,07	5	9
	fym2	44,12	5	
	fyp	3300		
	fyq	20,37	2	6
	fyq2	33,84	2	3
	fyt	17,39	8	5
	fyt2	30,21	4	9
Paris Eiffel	fLe	7100	13	
	"	6670	13	
	"	73,50	5	
	"	36,75	5	
S.Pierre des Corps	fyg	5900	13	2
	fyg2	1289		

Syria

Beirut-Khalde	oda	44,22	2	4
	odb	22,61	6	4/6
	odc	37,57	2	3
	odd	18,66	9	5
	ode	25,81	6	8
	odf	28,96		
	odg	17,48	9	4/5
	odh	27,73	6	7
	odi	33	2	3/4
	odj	39,60	2	4
	odk	28,37	2	
	odL	56,02		
	odm	43,01	2	4
	odn	16,67		
	odo	21,67		
	odp	55,45		
	odq	10320		
	ods	58,48	2	
	odu	14,99		
Beirut	fbh	23,03	5	
	fbh1	33,53		
	fbh2	55,92	5	

Grossbritannien

Station	Callsign	Freq. m	Monitored from 1.2.40 L	Tr	Station	Callsign	Freq. m	Monitored from 1.2.40 L	Tr
Bodmin	gnk	16,57	8		Ongar	go.	33,33		
	gnk	21,73	5			got	39,47	4	4
	gok	32,40	1			gos	32,35	2	
Carnarvon	gLj	4445			Oxford	gia	15,27	8	5
	gnu	14040				gib	25,04		
	gnc	8600				gic	34,72	2	3
						gid	22,13	7	6
Dorchester	gLe	16,16				gif	32,54	1	3
	gLf	13,42				gig	44,23		
	gLq	15,74				gih	23,17	5	
	gLh	22,18				gij	42,95	4	4
	gLk	37,48	2	3		gik	56,34	10	
	gLw	15,71	8			giL	20,06		
	gLy	26,27	6	8		gim	25,12	5	
	gma	20,17	8			gin	27 37	6	3
	gmf	15,95				gio	37,43	2	5
	gmm	21,96	7	6		git	22,01		
	gmx	19,97	7			giv	32,56	2	3
	gmy	26,24	6			giw	22,12	7	6
	gmz	21,75				gix	6940		
	gnx	38,10	4	7		giy	5830	13	
	gny	26,12				giz	4601	12	1
	gnz	70,59	10			gpj	27,56		
	gnz2	70,59	10			gpo	43,76	10	
Grimsby	gni	16,22							
	gnh	25,90	6	8	Rugby	gab	16,63		
	goi	34,17				gai	16,06		
						gaL	14,83		
Ongar	gLa	2950	11	1		gas	16,38		
	gLb	3953	12			gau	16,11		
	gLc	9630	13			gaw	16,43		
	gLi	15				gba	18,59		
	gLn	15,38	8			gbb	22,03		
	gLo	4196	12	1		gbL	20,47		
	gLp	5310	13	1		gbr	18750	3	2
	gLq	27,45	6	7		gbs	24,69		
	gLs	16,13				gbt	4373		
	gLt	18,70	9	5		gbu	24,41		
	gLu	5330				gbv	3846	12	1
	gme	16,42				gbw	20,78		
	gmn	14,64				gbx	23,49		
	gmq	21,85	5			gby	4511		
	gmr	20,81	9						
	gms	22,16			Peiping	hx8	33,70	2	5
	gmv	14,51							
	gna	26,05							
	gne	25,78							
	gnL	24,86							
glr	gno	25,85	5	7					
	gnp	15,18	7	7					
	gns	25,93	5	8					
	gof	29,40							
	goq	39,53	4						

Station	Callsign	Freq. m	Monitored from 1.2.40 L	Tr
Irak	yif	44,74	1	4
Bagdad	yig	36,88	1	3
	yij	20,70	1	6
	yik	16,02	8	5
(?)	yin	22,37	5	6
Basrah	yit	3000		
	yin	44,35	1	
Rutbah	yiv	1550		
	yiL	66,82		
Iran				
Teheran	epa	27,75	9	8
	epb	19,87	9	5/8
	epL	3876		
	epf	37	9	8
	epg	?		
	eps	?		
	epx	26,6	9	8
	"	47,0	9	
	epm	38,90	9	
Italy & Vatican				
Rome	ibd	26	6	
	ipb	36,50		
Rome S.Paolo	ibb	15,02		
	ibc	17,03	16	
	ibd	24,98	16	
	ibe	64,24	16	
	"	32,02	16	
	ibf	33,09	16	
	ibg	35,01		
	ibh	66,01		
	ibj	54,55		
	ibk	48,43		
	ibL	43,40		
	"	41,08		
	ibm	34,86		
	ibn	3425		
	"	3005		
	ibo	34,82	16	
	ibq	23,01		
	ibr	20,89		
	ibs	20,71	9	
	ibt	18,46	9	
	ibu	15,05		
	ibv	23,15		
	ibw	22,87		
	ibx	18,74	9	
	iby	33,71		

Station	Callsign	Freq. m	Monitored from 1.2.40 L	Tr
Rome-Torre-nova	ief	29,0	1	9
	iem	14,91	3	
	ien	22,37	7	
	ieo	44,74	10	4
	ies	29,93	1	9
	ieu	27,37	6	4
	iew	3630		
	iez	34,30	2	3
	iqa	20,36		
	iqs	2895	11	1
	iqt	5450	13	2
	iqu	4610	12	1
	iqv	2780		
	~~iqy-?~~	~~25,69?~~		
		~~25,97?~~	5	8
	ira	10000		
	irb	14450	3	2
	irc	17000		
	ird	29,75	11	
	ire	6300	13	2
	irf	30,52	1	4/9
	irh	7300		
	iri	3192		
	irj	22,89	5	6
	irk	14,68		
	irL	15,26	3	5
	iro	4111	12	
	irp	3400	11	1
	irr	22,62		
	irs	30,10	1	9
	irt	45,79	10	4
	irv	39,90		
	irw	15,37	3	5
	irx	24,96	5	8
	iry	18,62	9	5
	irz	16,10	8	
Vatican				
Vatican	hvj	14,39		
	"	17,20		
	"	19,07		
	"	23,36		
	"	25,67		
	"	29,73		
	"	39,71	4	4
	"	50,27		
	"	59,56		

Station	Callsign	Freq. m	Monitored from 1.2.40 L	Tr
Jugoslavia				
Belgrade-Rakovice	yta	11500	3	2
	ytb	3462		
	"	3488		
	ytc	22,81	1	6/8
	ytd	32,30	1	3/8
	yte	72,50	10	8
	ytm	40,30	1	4/8
	ytn	65,50	1	8
?	ytr	23,12	1	6
Belgrade	ytL2	44	10	
	"	64,01		
	"	38		
	"	128		
	yto	110,8		
	ytL	43		
	"	62,75		
	"	36		
	"	126		
Zagreb	ytz	3478		
	"	5380	13	1
	ytL3	43,80	10	
	"	63,80		
	"	87,62		
	"	127,6		
	ytp	111,1		
Norway				
Bergen	Lgn	2770		
	"	2041		
Ö[illegible]y	Lca	3240		
	Lcf	16,83		
	Lcg	18,37	5	5
	Lci	50,80	10	8
	Lcj	30,06	5	9
	Lck	15,03	9	
	LcL	37,38	6	3
	Lcn	23	5(6)	7
	Lco	21,46	5	6/8
	Lcp	20,62	5	6
	Lcq	19,15		
	Lcr	15,07		
	Lcs	15,05		
	Lct	3077	11	1
	Lcu	3515		
	Lcv	3200		
	Lcx	22,20	4	
	Lcy	30,12	10	9
	"	42,92	10	
	Lcz	44,40		
	Lhd	38,29		

Station	Callsign	Freq. m	Monitored from 1.2.40 L	Tr
Tryvasshögda	Lcb	32,22	6	
	Lcc	31,22		
	Lcd	8200	13	2
	Lce	4100	12	
	Lch	5450	13	
	Ldc	64,45		
Rumania				
Cernauti	yoi	2609		
Herastrau	yoa	33,23	2	3/6
	yob	11830	3	2
	yoc	3131	11	1
	yoL	3589	11	1
	yom	27,66	6	6/7
	yon	52,56	10	6
?	yop	40,81	4	6
?	yok	40,93?	4	
?	yox	34,41	14	
Timisoara	yor	2300	11	
	"	16,22	3	
Sweder				
Karlsborg	saj	4267	12	
	sar	3024	11	1
	sav	6000	13	2
	saw	3440	11	
	sas	52,50		
	sau	31,30	7	9
Motala	sdb	27,83	7	7
?	sdq	19,1	7	
?	sde	21,72	7	
Varberg	saq	17440	3	2
Turkey				
Ankara	taa	17650		
	tab	3000	11	1
Istanbul	tae	10600	3	2
	taf	37,29	7	6
	tag	22,92	7	6

Station	Callsign	Freq. m	Monitored from 1.2.40 L	Tr	Station	Callsign	Freq. m	Monitored from 1.2.40 L	Tr
Hungary									
Stuhlweissen-burg (Budapest)	hab	4754							
	har	4570	12	1					
	has	34,63							
	has2	21,93	9	3					
	has3	19,52							
	hat	55,56							
	hat2	43,86	10	3					
	hat4	32,83	2	3					
	hax	6000	13	2					
Greece									
Athen Pallini	sva	62,31							
	svb	61,16							
	svc	60,67	10						
	svd	43,57	10						
	svh	33,22							
	svi	30,94							
	svj	30,53	2						
	svn	30,20							
	svm	28,02							
	svo	26,14							
	svp	24,60							
	svq	21,99	2						
	svr	21,95							
	svs	21,86	2						
	svt	19,98							

Interception Lauf & Treuenbrietzen March, 1940

Figures arranged by addresses.

( ) No. in previous month
x Increase
* Decrease

Countries in order of no. of messages for both I. Stations combined.

Serial No.	Country	Lauf Cypher	Lauf Clear	Notes	Treuenbrietzer Cypher	Treuenbrietzer Clear	Notes	Lauf & Treuenbrietzen Cypher	Lauf & Treuenbrietzen Clear	Notes
1.	Russia	269 (228)	10 (-)	x	1380 (1295)	4 (28)	x	1649 (1523)	14 (28)	x
2.	Gt. Britain	270 (353)	37 (47)	*	568 (236)	120 (34)	x	838 (589)	157 (131)	xx
3.	France	383 (409)	47 (12)	*	293 (299)	16 (12)	*	676 (708)	63 (24)	*
3a.	" Colonies	716 (681)	199 (157)	x	- -	- -		716 (681)	199 (157)	x
4.	Italy	299 (263)	68 (17)	x	252 (219)	64 (23)	x	551 (482)	40 (40)	x
5.	Turkey	135 (167)	36 (21)	*	146 (167)	22 (5)	*	281 (334)	58 (26)	*
6.	Sweden	124 (149)	106 (100)	*	97 (118)	87 (74)	*	221 (267)	193 (174)	*
7.	U.S.A.	101 (90)	51 (49)	x	113 (89)	15 (6)	x	214 (179)	57 (55)	x
8.	Rumania	98 (62)	22 (44)	x	63 (43)	12 (17)	x	161 (105)	34 (61)	xx
9.	Belgium	44 (34)	37 (6)	x	37 (23)	2 (1)	x	81 (57)	39 (7)	x
10.	Brazil	49 (26)	10 (-)	x	8 (10)	4 (-)		57 (36)	14 (36)	x
11.	Bulgaria	29 (31)	18 (4)		30 (37)	13 (5)		59 (58)	31 (9)	
12.	Hungary	27 (38)	74 (85)	*	23 (19)	50 (55)	x	50 (57)	124 (140)	*
13.	Spain	34 (38)	11 (-)		11 (24)	2 (?)	*	45 (62)	13 (-)	*
14.	Poland	26 (18)	6 (-)	x	17 (19)	5 (-)		43 (37)	11 (-)	x

Serial No.	Country	Lauf Clear	Lauf Cypher	Notes	Treuenbrietzen Cypher	Treuenbrietzen Clear	Notes	Lauf & Treuenbrietzen Cypher	Lauf & Treuenbrietzen Clear	Notes
15.	Portugal	23 (32)	6 (-)	x	16 (22)	4 (-)	*	39 (54	10 (-)	*
16.	Vatican	18 (20)	- (4)		22 (18)	- (3)		29 (38)	- (7)	
17.	Latvia	- (-)	10 (-)		26 (6)	79 (38)	x	26 (6)	89 (48)	x
18.	Norway	6 (10)	6 (15)	*	15 (12)	12 (37)		21 (22)	18 (52)	*
19.	Switzerland	15 (10)	5 (3)	x	5 (2)	2 (4)	x	20 (12)	7 (7)	x
20.	Jugoslavia	13 (12)	4 (7)		6 (6)	1 (3)		13 (18)	5 (10)	
21.	Netherlands	13 (17)	7 (15)	*	5 (2)	2 (2)		18 (19)	9 (17)	
22.	Greece	9 (20)	3 (3)	*	9 (33)	5 (4)		18 (53)	13 (7)	**
23.	Finland	7 (17)	11 (18)	*	2 (4)	2 (3)		9 (21)	13 (21)	*
24.	Denmark	7 (5)	14 (12)		- (4)	10 (6)		7 (9)	24 (18)	
25.	Chile	4 (10)	- (-)		1 (-)	- (-)		5 (10)	- (-)	*
26.	Argentine	4 (7)	- (-)		- (4)	- (-)		4 (11)	- (-)	*
27.	Lithuania	2 (3)	2 (2)		2 (5)	- (3)		4 (8)	2 (5)	*

13.

Chi. Berlin 23/4/40

To Intercept Station Lauf.

Owing to its special operation for Husum, the intercept station Treuenbrietzen is ceasing to monitor Bulgaria at present, so Lauf alone is to take over the latter w.i.e. also, as already reported by phone, monitoring of special traffics between England and Norway is to cease, as these traffics are monitored by special Party Husum and I-Station Treuenbrietzen.

Kempf.

14.

Chi V 27/6/40

Ref I-assignments schedule.

To I-Station Lauf.

W.e.f. 1/7/40 previous I-assignment table is cancelled and temporary schedule of assignments as under to be substituted:

Lauf	Treuenbrietzen
Argentine	Afghanistan
Belgium & Colonies	Egypt
Brazil	China
Bulgaria	Denmark & Colonies
Chile	Germany & Protectorates
Finland	Estonia
France & Colonies	Greece
Italy & Colonies	Gt. Britain & Colonies
Netherlands & Colonies	Irak
Portugal & Colonies	Iran
Sweden	Japan & Manchukuo
Switzerland	Jugoslavia
Spain & Colonies	Canada
Syria	Latvia
Vatican	Liberia
United States (U.S.A.)	Lithuania
Remaining States of S.American	Norway
Great Britain. (Motherland)	Palestine
	Poland
	Rumania
	Russia
	Saudi Arabia
	Slovakia
	Thailand (Siam)
	Turkey
	Hungary

15.

Chi V Berlin 25/2/41

Ref: Greek transmitters.
To: I-Stations Lauf, Treuenbrietzen.

The following report is from a reliable source:
"Urgent telegrams Athens/Salonica to Sofia take on the average 2-3 days. Wireless messages from agents of German tobacco firms in Greece go via Empire-Radio, which sends them to Nauen; it is not known whether the messages are sent from Greece via a station of Empire-Radio in England and from there to Nauen, or whether Empire-Radio in Greece has a station which sends them direct to Nauen. At any rate the English are well informed of all sales of tobacco to Germany".

Kempf

16.

Chi V Berlin 27/2/41

To I-Stations Lauf, Treuenbrietzen

Reported from reliable source: "Lithuania and Estonia have closed down their own commerical wireless traffic. The wireless links maintained by them have been transferred to the USSR (Moscow).

17.

Chi V Berlin 10/3/41

To: I-Stations Lauf, Treuenbrietzen

It is reported from reliable source that on 1/3/41 Latvia also has closed down its own commercial wireless traffic and handed it over to the USSR (Moscow).

Therefore the whole of the commercial traffic of the Baltic States Estonia, Lithuania and Latvia is in Soviet hands.

Kempf.

18.

Chi V Berlin 7/4/41
Ref: special monitoring
To: I-Station Treuenbrietzen, to Lauf for information.

A wireless message of 7/4 shows that a wireless link between Athens and Belgrade on 40 m is being prepared

Callsigns: Athens syn
Belgrade cbz

This new link is to be monitored at once and results to be sent to Chi OKW marked "for Gruppe V" in special daily report - in urgent cases by T/P.

Kempf

19.

Chi Berlin, June 41.

To Fixed Intercept Stn. Lauf
" " " Treuenbrietzen

Ref: message interception.

4 enclosures.

A list of callsigns and frequencies which are particularly well heard oy another foreign intercept station and continually provide good message material, is appended.

Within your assignments ascertain which of the diplomatic transmitters specified have not yet been heard by you in message or contact traffic. These transmitters are also to be included in your monitoring schedule.

Kempf

20.

Chi V Berlin 14/6/41

To Fixed I-Station Lauf
" " Treuenbrietzen for information

Ref: special monitoring.

W.i.e. wireless traffic Moscow-Ankara and Ankara-Moscow is to be monitored. We are primarily interested in message sent between Haydar Aktay, Turkish ambassador in Moscow, and his government in Ankara.

As data for this special monitoring we append following characteristics:

Callsigns	Frequency	Traffic time	Traffic with:	other frequencies
Moscow				
rae	3705	1 - 4	tae, taf, tag	
ret	3797	1 - 4	"	
	(3901)?			
rka	21·55	34	"	25·66, 26·09
	43·10	1 - 4	"	52·18, 30·43
rkc	19·26			
	30·26	(to date only little traffic with Turkey observed)		
rnn	20·09	1 - 4		
	27·94	34		
	40·00	12		
	58·50	1		
rys	21·49	2		

[2nd page missing].

5/7/41

21.

Ref: message interception

Gruppe IV attaches special value to interception of following messages:

1) American diplomatic messages, specially those with sender Vichy (frequently sent via Switzerland)

2) French Diplomatic messages from the Scandinavian countries (particularly those sent from Sweden).

Particular care should be given to complete interception.

Kempf

22.

Chi V Berlin 11/7/41

I Station Lauf
" " Treuenbrietzen

Below for information are the data given to the Ordnance Dept for construction of rhombus aerials.

When the rhombus aerials are put into service reception should be tested from this data and results reported to us.

1) Gt. Britain:	Dorchester	20.000	kcs	to	6.000	kcs
	Ongar	20.000	"	"	6.000	"
	Oxford	20.000	"	"	6.000	"
	Bodmin	20.000	"	"	8.000	"
	Grimsby	20.000	"	"	8.000	"
Turkey:	Istanbul	13.500	"	"	8.000	"
Jugoslavia:	Belgrade-Rakovice	14.000	"	"	4.000	"

2) I-Station Lauf will be expected to monitor following stations:

Gt. Britain:

Dorchester	20.000	kcs	to	6.000	kcs
Ongar	20.000	"	"	6.000	"
Oxford	20.000	"	"	6.000	"
Bodmin	20.000	"	"	8.000	"
Grimsby	20.000	"	"	8.000	"

Switzerland:

Berne-Münchenbuchsee	20.000	"	"	6.000	"
Geneva-Prangins	19.000	"	"	6.000	"

France:

Lyon	17.000	"	"	5.000	"

A further remark:

If possible a rhombus aerial should be used simultaneously for several transmitters of the same location but with different frequencies. It would be desirable for 4-5 receivers to work simultaneously off one aerial.

Kempf.

23.

Chi V Berlin 18/7/41.

Ref: message interception.

Gruppe IV attaches particular importance to the interception of following messages:

1) Traffic between England and Belgian Congo (Leopoldville). The greatest efforts should be made against the Belgian messages coming from England. gln, gme, gnk, goq have occurred up to now.

These are mostly 4-5/F messages, occasionally mixed with letter groups.

Address for Leopoldville is:

gouverneur general (impersonel)
Leopoldville.

signature: congobelge.

Congobelge is the Belgian office in London.

2) All Rumanian messages, especially from Ankara, Sofia and Rome.

Kempf.

24.

Chi V Berlin 18/10/41

Ref: P/L wireless messages.

With reference to the interception of P/L messages the following new directives are published:

1) In principle, the major effort is to be directed towards encyphered messages.

2) When personnel and sets are available over and above this to intercept more P/L messages than previously, Chi hereby states its agreement.

3) At the present time the monitoring of the following countries is considered specially valuable:

a) Great Britain - America
b) Great Britain - Near East etc.
c) Portugal with its islands
d) Portugal - Great Britain and America
e) Spain with its islands and colonies
f) Spain with Great Britain and America
g) Switzerland with Portugal - Spain - Gt. Britain and America
h) Russia-Iran-Turkey-Afghanistan-America-Japan-China-Manchukuo and Mongolia
i) Croatia (Zagreb) with all countries including Italy (formerly only the traffic with Germany and Spain was monitored)

In the case of the above countries P/L messages of military, political trade and commercial contents are wanted.

4) Interception of P/L messages of all French wireless stations including those of the French colonies and of the De Gaullist movement continue as before to be specially important; here the Wako are interested in contents of military matters besides those of political and commercial affairs.

5) The number of intercepted P/L messages from Gt. Britain and Switzerland dealing with commercial and industrial contents is likewise to be increased if possible as compared with the number at present being intercepted.

6) All P/L messages of purely private contents, family affairs, congratulations etc., are not be be sent in.

25.

Chi OKW 20/10/41

To: I-Station Lauf.

Transmitters which may be affected as to change of callsign or frequency by partial move of Russian government offices and diplomatic corps from Moscow (e.g. Haydaraktay to Kuibichev, formerly Samara) are to be carefully monitored - if necessary in search reception. Changes observed are to be at once exchanged between Lauf and Treuenbrietzen and sent by T/P to Chi OKW Gruppe V.

26.

I-Station Lauf 3/11/(41?)

To: Chi OKW Berlin, Gruppe V.

On 2/11 traffic time 2, Russian international wireless station RKV (Moscow) was observed on 22.84 and 30.69 m in traffic with XTC and JUX.

27.

List of most important wireless traffics January, 1942.

Tx. Callsign	Tx. Frequency	Sent From	To	Remarks on traffic	Diplomatic traffic
w q f	16,74	Wasnington	Kuibyschow	-	U.S.A.
w a j	22,26	"	"	-	U.S.A.
w e l	33,52	"	"	-	U.S.A.
w i c	38,77	"	"	-	U.S.A.
w i z	43,97	"	"	-	U.S.A.
w q o	44,61	"	"	-	U.S.A.
t a g	29,92	Ankara	Washington	-	U.S.A.
t a f	37,29	"	"	-	U.S.A.
t a g	29,92	"	Kuibyschew	-	U.S.A.
t a f	37,29	"	"	-	U.S.A.
t a g	29,92	"	Rome	-	Italy
t a f	37,29	"	"	-	"
t a g	29,92	"	London	-	Jugoslavia
t a f	37,29	"	"	-	"
h b f	16,27	Berne	Washington	-	U.S.A.
h b e	19,99	"	"	-	U.S.A.
h b c	33,33	"	"	-	U.S.A.
r y s	21,49	Moscow	Bagdad	through	U.S.A.
"	29,93	"	"	traffic	U.S.A.
r k b	19,20	"	"	"	U.S.A.
"	28,40	"	"	"	U.S.A.
r ? ?	38,72	"	"	"	U.S.A.
"	80	"	"	"	U.S.A.
r i k	20,68	"	"	"	U.S.A.
r y s	21,49	Kuibyschew	Ankara		Turkey
"	29,93	"	"		"
r c e	38,72	"	"		"
"	80	"	"		"
r k b	19,20	"	"		"
"	28,40	"	"		"
r i k	20,68	"	"		"
r y s	21,49	"	London		U.S.A.
"	29,93	"	"		U.S.A.
r c e	38,72	"	"		U.S.A.
"	80	"	"		U.S.A.
r k b	19,20	"	"		U.S.A.
"	28,40	"	"		U.S.A.
r i k	20,68	"	"		

Tx. Callsign	Tx. Frequency	Sent From	Sent To	Remarks on traffic	Diplomatic Traffic
o f k	33,99	Helsinki	Washington		U.S.A.
o f n	25,07	"	"		U.S.A.
j u l	44,58	Tokio	Ankara		Turkey
j u m	21,89	"	"		"
j n o	36,99	"	"		"
j u l	44,58	"	Lisbon	Through	Japan
j u m	21,89	"	"	traffic	"
j n o	36,99	"	"	"	"
g l t	18,70	London	Ankara		Turkey
g l q	27,45	"	"		"
g l n	15,38	"	"		"
g l q	27,45	"	Leopoldville		England
g l n	15,38	"	"		"
f y t	17,39	Vichy	Washington	Passed on some via Switzerland	U.S.A.
f y m	29,07	"	"	"	U.S.A.
f y m 2	44,12	"	"	"	U.S.A.
f y q	20,37	"	"	"	U.S.A.
f y r	25,75	"	"	"	U.S.A.
f y x	18, 0	"	"	"	U.S.A.
i x p	38,90	Shanghai	Rome		Italy
e p a	27,75	Teheran	Ankara		Turkey
? p b	19,87	"	"		"
h v j	19,87	Vatican	Leopoldville	Italy itself	Italy
"	39,71	"	"	no traffic	"
		Algiers	Washington	By cable to France; see Vichy-Washington on traffic	U.S.A.

(Annex 1 to Doc. 4 (Rev.2))

Receiver group	Base band	Argentine	Belgium & Colonies	Bolivia	Bulgaria	Chile	Colombia	Curacao	Finland	France	French Colonies	Great Britain	Italy	Vatican	Mexico	Peru	Venezuela	Portugal & Colonies	Sweden	Switzerland	Spain	Syria	U.S.A.	Guatemala	Panama	Cuba	Netherlands & Colonies	Brazil	Turkey	Surinam	Costarica	Paraguay	Uruguay	No. of transmitters allocated to each receiver group
E 1	3400-3500									6		6						1		2	12		16											47
E 2	3500-3600									2		6	1			2		1	1	4		12	17		2									52
E 3	3600-3700						1			8		14	4					3	1	2	1	2	2											54
E 4	3700-3800									3	2	8	2	1				2		3	1	2	7	1										55
E 5	3800-3900									8	22	2						6		3	1	1	9				1							59
E 6	3900-4000	2										4																						6
E 7	4000-4100	2				1	1	1		2		7	2																					12
E 8	4100-4200	9	1					1		1		3	7	5				5																30
E 9	4200-4300		1									4	17	1				1																24
E 10	4300-4400	1			2			3	3	2	3	9	10																					41
E 11	4400-4450						1		1	2	3	2	5																					25
E 12	4450-4600								1	2	1	4	3																					11
E 13	4600-20000									3	3	4	8																					18
E 14	25-40	2	5					1	2		4		7	2																				21
E 15	Search																																	0
E 16	15-50	7	1			2	2						6		7																			24
E 17	20-50	1	1							2		12																						16
E 18	3600-3400									1		1	1																					3
E 19	15-65	1									2	4	1	2																				10
1. Total No. of receiver grps. equipped with one country		12	5	3	4	4	3	3	6	11	10	16	14	2	1	4	1	4	1	8	14	10	6	52	-	-	-	3	6	-	-	-	-	269
2. Total No. of Transmitters allocated		45	9	5	9	5	9	6	11	32	72	86	62	3	7	13	2	18	2	26	39	21	147	4	1	2	17	20	10	4	7	6	1	725
3. No. of transmitters allocated to receiver grps. engaged in traffic with other countries		10	2	1	3	2	-	3	3	24	24	41	25	2	3	5	1	8	1	14	10	6	52	-	-	-	3	6	-	-	-	-	-	269
		30	7	4	6	3	9	3	8	8	48	45	37	1	4	8	1	10	1	12	29	15	95	4	1	2	14	14	10	4	7	6	1	456

29. Berlin 22/5/42

Ref: Interception of international wireless traffics.

1) From 23/5/42 Gruppe III takes over responsibility for interception of international traffic of following transmitters:

a)	Oxford	giz	4601m	65.2 kcs	0000-2400 hrs.
b)	Ongar	gla	2950m	101.7 kcs	
c)	München-buchsee	hbb	3130m	95,85 kcs	
d)	Karlsborg	sav	6000m	50 kcs	
e)	Lyon	fyn	15150m	19,8 kcs	

2) Gruppe I has ordered the further interception of the transmitters by intercept stations controlled by it to cease. (a - e = Lauf, a - c = Treuenbrietzen).

3) These transmitters are to be placed instead on the emergency schedule of FSR Stn. Lauf.

4) Supervision of these intercepts will be effected by agreement with Gruppe I. Similarly the mode of logging traffic between Gr. I and III is to be settled.

5) Gruppe IV's requests concerning interception of the above transmitters are in principle to pass via Gruppe I (b), however in as simple as possible form (telephone or memorandum).

6) It is intended on completion of the Intercept Station Ludwigsfelde to allot Gruppe III interception of international wireless traffic of the following transmitters also:

a)	Abu Zaabal (Egypt)	sur	44,25m	6780 kcs	suz 21,72m	13811 kcs
		suy	38,34m	7825 kcs	suu 21,72m	13813 kcs
		sux	38,21m	7851 kcs	suz 21,71m	13820 kcs
			38,20m	7853 kcs	21,70m	13827 kcs
			38,17m	7860 kcs	21,69m	13829 kcs
			38,13m	7867 kcs	suc 21,52m	13940 kcs
			38,12m	7869 kcs	sus 15,26m	19660 kcs
		suv	29,84m	10055 kcs	sup 15,18m	19765 kcs
		suw	25,19m	11910 kcs	14,90m	20135 kcs

Additional for FSR Station Lauf: Ref: 2): you are to cease monitoring the transmitters specified in 1), as these traffics are being monitored by Chi Gr. III w.e.f. 23/5/42.

30.

Chi/I Berlin 1/6/42

Ref: special monitoring of Polish link Lisbon-Marseilles
To: FSR Stn. Lauf.

It is known from reliable source that in period 7-12/6/42 a Polish link between Lisbon and Marseilles is to be tried out. The tx. in Lisbon is in the Polish Embassy; location of the tx. in Marseilles is not known.

Traffic is carried out as follows:

Letter "V" (tuning signal), callsign "DAJ"

Traffic time: 2000-2004 hrs wavelength 6263 kcs
2005-2009 hrs " 5768 "
2010-2014 hrs " 5200 "

This traffic is to be monitored from Lauf and results reported to us.

31.

Chi Berlin 3/6/42

To: FSR Station Lauf.

1) Outstation Madrid has been instructed to cease monitoring the Portuguese wireless stations (homeland) with exception of tx. "cuw" as from 10/6/42. From this date only Lauf is to be responsible for monitoring these transmitters (in Portugal). Transmitter "cuw" will be monitored by both stations as before.

2) To carry out this measure, Lauf will on the same day cease monitoring all Portuguese colonial stations (see Callsign & Frequency List, p.110-111). From then on Outstation Madrid will be solely responsible for monitoring these stations.

32.

Chi OKW 27/6/42

To: FSR Station Lauf

1) As a result of move of Reception Station Chi III from Berlin-Dahlem to Ludwigsfelde transmitters gis, gla, hbb and sav are to be intercepted by you during period 28/6/42 0000 hrs to 29/6/42 2400 hrs.

2) W.i.e. all cypher messages with Jugoslav, Greek and Egyptian diplomatic addresses to and from Cairo are to be intercepted and sent in advance by T/P to Chi Gruppe IV.

Chi OKW

33.

To FSR Station Lauf
" " Treuenbrietzen for information. 10/12/?42

Secret.

Message interception on following lines urgently desired:
1) Belgian messages (mixed groups) from London (GME 1642m) to Leopoldville (OPL). 2) French messages from Peking (FLZ 50.68m) to Vichy (FAQ).

4/9/42

34.

FSR Station Lauf

To: Chi OKW Gruppe Ib, Berlin.

Intercept statistics Spain & Portugal for August 42.

These are arranged according to transmitters and in 10 day periods.

Portugal

Tx.	1. - 10.8.	11. - 20.8.	21. - 31.8.
cud2	96	165	145
cuk2	64	85	80
Cus	2	-	3
cut	28	35	32
cuv2	14	25	14
cuw	66	77	90
cux	2	3	
cuy	5	6	3
Total	277	396	368

The following increased, compared with first 10 days:

cud 2 increase in messages sent to: Germany, England, Italy Switzerland.

cuk2 " " " " ": England

cuw " " " " ": Port.E.Africa,Port.W.Africa

Spain

Tx.	1. - 10.8-	11. - 20.8.	21. - 31.8.
eaa	13	20	5
eai	17	17	8
eam	-	9	1
eam2	49	61	80
ean2	1	-	-
eaq	9	12	32
eav	14	25	12
eax	-	2	-
edz	1	2	1
Total	104	148	139

Increases compared with first 10 days:

eam2 increase in messages sent to: Germany, U.S.A.

eaq " " " " ": England, Canaries

eav " " " " ": U.S.A.

An increase, if it existed, in traffic with England could not be ascertained, as the larger part of the English messages according to the address list were not intercepted and therefore not listed. A clearer picture may possibly be obtained from Treuenbrietzen's interception of the traffic the other way, England-Spain or Portugal.

35. -/12/42 ?

As a trial all stations of Portuguese colonies (Atlantic, West and East Africa), Belgian Congo, Brit. Sierra Leone and Rhodesia (callsign and frequency list p.p. 8-9,58,59.110,111) are to be monitored for period 14/12 0000 hrs - 16/12 0000 hrs and results and reception conditions reported to us.

Chi OKW

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36. 28/12/42

To: Fixed Station Lauf

On 1/1/43 following changes in assignments schedule come into force: 1) Sweden: Treuenbrietzen is to take over all short and long wave transmitters. Lauf continues to monitor long wave transmitters saw, saq,saj, except sav. Stuermer retains all short wave transmitters. sav is retained by Chi Gr. III B.
2) British Rhodesia and Belgian Congo will no longer be monitored by Stuermer (district) but by Lauf.

Chi OKW

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37. (undated but late 1942 or early 1943)

Frequencies and times of transmission of the ID network.

1) Main link (to Rome ?)

Fixed callsigns ovL to qfj
5000 kcs (= 60m): 0015 German summer time
11100 " (= 27m): 1000 " " "

2) Supplementary links: (within Spain ?)

a - link (paulucci messages)
Three letter callsigns changed twice daily (occasionally during change of frequency)
5000 kcs.
Traffic times: 0145, 0645, 2145, 2315, 2345 German summer time
11100 kcs.
Traffic times: 0845, 1045, 1145, 1245, 1345,1445, 1715, 1745, 1845, 1945. German summer time.

Further supplementary links (exact segregation of the links only possible after lengthy observation of traffic times !)

5000kcs.
Traffic times: 0045, 0115, 0745, 0830, 0900, 0930 German summer time.
11100 kcs.
Traffic times: 1100, 1500, 1915 German summer time.

38.

BOHRER Sheet 3 30/10/43

Ref: Jugoslav traffics.

Besides the traffics shown on the copies the intercept operators of ES-Wellny give further details as follows:

1) Traffic Mihailovic-Cairo of Sheet 2 c:

BAN ——— X ——— JUG
(Cairo) (Mihailovic)
5586 kcs 7100 kcs
6975 " (according to copy 1100 kcs Sheet 2)

Traffic times: 0600, 1500 and 2200 hrs CET.
(These details were obtained from a service message of another line of the Jugoslav Resistance traffic).

2) Traffic Serbia-Malta:

JRC ——— (——— Y2E
(Malta) (Mihailovic)
Freq. -b- 10290 kcs 4360 kcs 4570 kcs
" -c- 10790 " 4220 kcs 7120 kcs
(not heard) 4780 " 6440 "

Traffic time: 1200 hrs CET.

3) Traffic Mihailovic-Cairo

BAN ——— (——— YOW/YUE
(Cairo) (Mihailovic)
(?) (?) 15000 kcs
6000 "

4) Unknown traffic, probably Serbia-Cairo

RNO ——— X ——— KNI
4780 kcs 4720 kcs.

Traffic times not known.

39. O.U., 4/3/44

Outstation Freya

Result of test of reception conditions carried out according to Chi E 14a (I) No.383/44 of 1/2/44

Special monitoring was carried out for period 17/2 to 29/2/44.

All the transmitters given us for testing were heard here either not all or very badly. Some Japanese transmitters can be heard very loudly here. It is impossible to take messages however as the stations suffer badly from fading and echo.

Afghanistan Kabul

The transmitters could not be heard on the day of trial monitoring.

French stations Shanghai

Transmitters ffz4, 43.02 and ffz5, 37.00 were not heard here during trial monitoring. Both stations had already been monitored since 27/1/44. During this period it was never possible to hear the stations well. Satisfactory message interception could not be obtained.

Nanking China Shanghai

Of the transmitters allotted for monitoring only xcb, 21.69m and xgh, 37.53m could be heard. xob was heard here with qsa 2-3. Tone and legibility good, perfect interception however not possible here during the whole day, a telegraphy transmitter interfering for several hours. xgh, 37,53m comes in with qsa 1-2. Perfect interception not possible here owing to fading.

Chungking China Chungking

Xgr, 26.00 was heard with qsa 1-2, and xgz1, 37.21m with qsa 3-4. While the former could not be intercepted at all, the latter could only be intercepted for periods, in spite of its good signal strength, because of echo effects.

Japan:

In this case primarily the transmitters mentioned in para. 5 were monitored. Only one station, jna, could be heard. With the exception of a few minutes about 2000 and 2100 hrs, jna had strong interference during its transmission. We were able to ascertain that Etat messages were being sent, but interception was not possible. All other Japanese transmitters heard here were just as unfavourable for interception. In some cases signal strength was good. But even here fading and echo effects cropped up and prevented satisfactory interception. Often the sending of Etat messages could be recognised by ear, the signals however were not recorded by the recorder in legible form. During the whole test period only 3 messages good enough to send in were obtained.

To sum up we state that results of the test monitoring were completely negative.

signed. Drescher.

40.

Chi Berlin 28/6/44

To FSR Station Lauf
" " Treuenbrietzen

Subject: Addition to the Plan of Intercept Duties.

Abyssinia is included in the monitoring sphere covered by Lauf, with immediate effect.

The transmitters (location - Addis Ababa)

eta	42.43m	ete	22.87m
etb	43.34m	etf	21.67m
etc	32.57m	etg	19.42m
etd	28.23m	eth	17.37m

are to be covered. All Abyssinian diplomatic messages to and from Addis Ababa and Moscow are to be intercepted until further notice and they are to be forwarded to Gr. IV.

41.

Chi I (Ib) 30/6/40

To FSR Stn. Lauf.

The following data learned from a sure source via the Spanish wireless traffic "Compania Telefonica" are sent for information:

Transmitting station: Pozuelo del Rey (Madrid), telephone 467.

1 20/60 KW-generator-transmitter type Standard, which can transmit on all frequencies between 14 and 60m and is at present used for traffic with America.

1 20 KW transmitter with similar technical data, used for traffic with Europe.

1 tx. of 1 KW, Type M13, which can work from 13-100m and is at present used for traffic with Europe.

2 500 watt transmitters, type M11, installed for 40-100m and used for traffic with Europe and Africa.

Aerials:

1	rhombus	aerial,	aligned	for New York
1	"	"	"	" Buenos Ayres and Rio de Janeiro
1	"	"	"	" Venezuela
1	"	"	"	" Berlin
1	"	"	"	" Berne (Switzerland)
1	"	"	"	" Tenerife
1	"	"	"	" Melilla
1	sterbo	aerial,	"	" Canaries (only for working on 28m)

Receiving Station: Grinon (Madrid), tel. 465.

Sets: 2 receivers type Standard, rather old but excellent
1 " " " " " inefficient
5 very modern Hammerlund Super-Pro.

Aerials:- aperiodic rhombuses just like those of the transmitting station.

Head Office: Gran Via, telephone 231, 450, 470.

4 control stations equipped with instruments to exclude echoes and transformers of 3000 and 6000 periods.

The stations are each connected with the head office by 6 lines, 2 of them automatic (465 and 467).

Personnel:

Pozuelo: 1 station head (Juan Cabrero)
6 specialists

Grinon: 1 station head (Pedro Paez),
2 specialists.

Head Office Gran Via: 1 director (Alfredo R. Crespo)
10 specialists.

Normal and daily traffic times:

America	New York	14 - 22 hrs	(official timetable)
	Buenos Ayres	1430-21 "	" "
	Rio de Janeiro	15-17 "	" "
Europe	Berlin	9-21 hrs.	
	Berne	9-22 "	
Africa	Tenerife	9-21 "	
	Melilla	9-13 "	

Other wireless traffics of Telefonica:

Ceuta to Algeciras: two wireless lines exist between the places named, one of them being extended to Madrid (from Algeciras to Madrid the line is connected to the telephone line). Both lines work on ultra short wave.

Ceuta to Malaga: 1 wireless line on VHF.

Malaga to Melilla: 1 " " " "

Barcelona-Palma de Mallorea: 1 line on VHF

Palma to Ibiza: 1 line on VHF

Palma-Mahon: 1 " " "

Tenerife-Las Palmas: 1 line on VHF

Las Palmas-Lanzarrote: 1 line on VHF

All these VHF lines are of very low power (1 watt maximum). Traffic is on 5m band without use of transformers.

Times and frequencies used in traffic with New York:

Times: from 14 to 16 and 19 to 23 hours.

Madrid	EDN	20890 kcs	= 14.38 m	(little used)
"	EDS	14985 "	= 20.02 "	(normal working freq).
"	EHY	10070 "	= 29.79 "	(night)
"	EDO	6480 "	= 46.30 "	(night; winter)
New York	WOA2	18930 "	= 15.85 "	(little used)
"	WOT4	13370 "	= 22.43 "	(normal)
"	WOA4	10515 "	= 28.50 "	(night)
"	WOT	5052.5 "	= 59.39	(night; winter)

Buenos Aires: times 1430 - 2100 hrs.

Madrid:	EDN	20860 kcs	= 14.30 m	(normal)
"	EDM	19030 "	= 15.76 "	(normal, alternating with first as required owing to interference or fading)
"	EDP	14620 "	= 20.52 "	(night)
"	EDY	10070 "	= 29.79 "	(night)
Buenos Aires	LSM3	19140 kcs	= 15.67 m	(normal)
	LSL4	21160 "	= 14.18 "	(normal, alternative)
	LSM4	21280 "	= 14.10 "	(" ")
	LSL3	15810 "	= 18.98 "	(night)
	LSK3	10250 "	= 29.27 "	(")

Rio de Janeiro: times: from 15-17 hrs.

Madrid uses the same frequencies as in traffic with Buenos Aires.

Rio de Janeiro	PSA	21080	kcs	= 14.23 m
"	PSB	19010	"	= 15.78 "
"	PSF	14690	"	= 20.43 "
"	PSC	10760	"	= 27.89 "
"	PPD8	18600	"	= 16.12 "

Berne: times: from 9-23 hrs.

Madrid	EHY	10070 kcs = 29.79 m	(normal)
"	EDP4	5310 " = 56.48 m	(night)
"	EDY3	5750 " = 52.17 m	(")
Berne	HET4	10395 kcs = 28.86 m	
"	HEO4	10338 " = 29.02 "	
"	HET2	5390 " = 55.50 "	
"	HET2	5400 " = 55.56 "	

RADIAR: The offices are in the Gran Via in the Adriatica buildings.

Transmitter: is in suburb Valleces. There is only a 20 KW tx., installed only for telegraphy and for frequencies of 14-30m.

Aerials: there is only a directional aerial to Buehos Aires. There is also a non directional testing aerial for traffic with ships at sea.

Receiving station: set R.S.A. in Chamartin de la Rosa.

Traffics: telegraphy with Buenos Aires from 13 hours until early monring.

Traffic for the whole of America is accepted, but only on the line Buenos Aires. Telegrams are passed on from there by by other services.

This company has made direct trials with New York, but has no sanction for this traffic.

TRANSRADIO: head office in the Calle Alcala, in buildings of Banco de Vizcaya.

Transmitter: Company has several tx., but only one of 20 KW, installed for telegraphy and telephony.

The other tx. for telegraphy have been built locally and are from 1-4 KW.

Aerials: many aerials of all types and directions exist.

Traffics: all over the world, on telegraphy; some direct, such as the traffics with Argentine, New York, the Canaries, Berlin, London etc. Other traffics are sent from the points mentioned as graded multiple [gestaffelt].

Combined traffic with the state telegraph service (telegrafos) is accepted.

ITALCABLE: Italcable has recently introduced certain traffics to fill in the gaps caused by the cutting of submarine cables; however only the link Barcelona - Rome is krown today, and it is not known whether any traffic is passed on it at present.

42.

Teleprint 30.8.44 1745

To FSR Station Lauf.

It is reported by a reliable source that wireless traffic takes place from the Turkish Legation in Bulgaria to Ankara on the following frequencies:

uzl de kck 6750 kcs 0800, 1000, 1600 German Summer Time. qrh 10 = 7170 kcs.

mur de kxx 7170 kcs 0920 German Summer Time qrh 12 = 4250 kcs

mur de yuk 4250 kcs 1000, 1600 German Summer Time qrh 42 = 6750 kcs

Diplomatic messages are apparently transmitted. The traffic is to be covered by you and the results are to be reported.

OKW Chi

43.

FSR Str. Treuenbrietzen 16/11/44

Treuenbrietzer.

To: Chi OKW Gruppe I, Berlin
" FSR Station Lauf for information.

Ref: R/T traffics

In the following report the station gives traffic characteristics and further details of R/T traffics monitored by it since about the middle of October, 1944, on the following lines:

a) Berne - Vienna and vice versa
b) London - Poland
c) Poland - London.

a) R/T traffic Berne - Vienna and vice versa.

1) Wavelengths and transmitting times:

1200-1215 hrs on 47.28m
1345-1400 " " 32,66"
1845-1900 " " 47.28"
2315-2400 " " 47.28"

Traffic at 2315 hrs is previously announced at 1200 or 1345 hrs ("the traffic will be continued this evening at 2315 hrs"). Traffic always takes place at the times given. There is no traffic on Sundays.

2) Types of messages and speech peculiarities

The transmissions are sent by a Swiss short wave transmitter and are spoken in part by the same announcer as in the normal transmissions of the Swiss short wave station.

5/F messages exclusively are read, some in French, some in German. Sometimes a womans voice gives the transmissions.

In his broadcast transmissions the announcer says:

"ici radio suisse lausanne" or

"ici la suisse genf" and "ici suisse berne".

Occasionally the transmissions go out simultaneously on both wavelengths.

The numbers in French are often spoken with a strong English accent. Delivery slow.

3. Addresses occurring

204, 205, 210, 240 (204 is the most frequent).

4. Commencement of traffic and message transmission

Traffic commenced by a continuous note, then follows announcement: "Hallo, hallo, un message pour 204" or

"Achtung, achtung, eine Meldung für 204".
or "Attention ! Attention! Nous avons un message pour deux cent quatre !"

Each message is repeated when completed. Transmissions in French predominate.

At conclusion of traffic the same continuous note as at the beginning is used.

5. Reception conditions

Medium signal strength of a normal R/T transmitter, frequently some fading. At the 2315 hrs transmission regularly jammed by powerful R/T tx., which frequently blots out reception so that interception is scarcely possible.

b) R/T traffic London-Poland

1. Transmitting times and wavelengths

10 - 1015	on	41.55 m
1200 - 1215	"	41.20 m
1400 - 1415	"	41.55 m
2000 - 2015	"	49,55 m

2) Types of messages and speaking peculiarities

5/L messages are sent in English. The message preamble contains:

time of origin,
"number of words",
date, an indicator number in serial order such as 353, 354 etc., for example. The messages are read by means of the English alphabet, e.g.

a for able
g for george
f for fox
d for dog
j for johnny

words in P/L frequently occur between the 5/L groups, such as "important, to, most, hardly" etc.

3. Commencement of traffic and addresses

The announcer calls:

"Hallo, hallo, jo jo, thabu and lo lo. I have one (two, three, etc., according to no of messages) messages".

Addresses: "message for lo lo 27 and 73"
"message for thabu"
"message for jo jo".

There are thus three different addresses. If there is no message for an address, the announcer says: "I have no messages for thabu".

The transmission is always preceded by an interval signal.

4. Signature and conclusion of traffic

At end of traffic the following phrases are used: "all the messages come from Jack", also "and this is the end of the message for lo lo", and to conclude: "The transmission is finished."

This is a British broadcast transmitter of the BBC with normal signal strength, occasionally fading. Specially at evening transmission interfered with by powerful jamming transmitter.

c) R/T traffic Poland - London

This Polish tx. is probably the opposite number of the English tx. appearing in London - Poland traffic.

1. Transmitting times and wavelengths (observed up to now)

1130 - 1230 (1300) and
1700 - 1830 (1900) 35.35 m.

2. Types of message and speech features

3/F messages are sent in Polish. Each message is repeated. Preamble:

"Hallo, 40 wiadomosc nr... data... group ..."
then follow 3/F groups.

3. Commencement of traffic

Each transmission is preceded by a musical interval signal. Then the announcement:

"Uwaga, uwaga, tu rozglosna wawel" ("hello here is Station Vavel").

As "Vavel" is the same as one of the Polish partisan slogans, the traffic is suspected to be with a central group of Polish partisans. It could also be however that this transmitter is in Lublin (location of Polish pro-Soviet national committee) or in some other Polish town occupied by the Russians. However at present there is no confirmation of either suspicion.

After the announcement follows:

"Zadajymy wiadomosci dla 52 i 40 (we give transmissions for 52 and 40).

Signature and conclusion

The end of each message is given by "koniec wiadomsei" (end of transmission).

The final conclusion of the whole transmission is given by a few Polish gramophone records. There is no time given for resumption of traffic.

5. Reception conditions

Tone clear, speech distinct, qsa 3.

As already mentioned, it is only a hypothesis that this is the opposite number of the British transmitter, based or an observation of the wireless operator that the British transmitter at the end of traffic at 1015 hrs said in English "I await your traffic and message transmission in 30 minutes".

The operator accordingly searched for the answering station and found the Polish transmitter on 35.35 m.

Should any alterations in procedure of the R/T traffics described above occur, or should any fresh facts be ascertained, they will be reported.

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44. (Undated but probably 1944)

Telephone Directory of Fixed Signals Station Lauf

Ext.	No.	Sect.	Person	Department
A	1	I	Major Wend	Section Head
A	2		"	" " (quarters)
A	3	II	Hptwm. Roschke	Orderly Room
A	4	III	Uffz. Riess Stgfr. Mösonef	Wireless Store
	5		Werkmeister Martin	Workshop
	6		Drivers	M.T. Garage
	7	IV	Stabszahlm. Hatz	Pay Office
A/d	8		Ogfr. Silbe/Kordick	Bookkeeper & Kitchens
A/d	9		Uffz. Neubauer	Kitchen
A	10	V	Hptm. Ferber	Deputy Section Head and LS head
A	10	VI	Insp. Pokojewski	Erfassungsltr.
A	11		" "	Quarters
A	12		Owm. Sünkel	Deputy LS head (quarters)
A	13		Owm. Sünkel	Evaluation Deputy LS head
	14		Hptm. Ferber	LS head (quarters)
A	15		Dr. Bork (Nbg.59773)	Sick Bay
A)	16		Intercept Stn. Watch	(A) outside duty hours
	17		Town billet guard room	
	18		Reading Room	
A)	19		Teleprinter Room	(A) only Nbg.20339B1n67224
	20		Reception Group I	
	21		" " II	
	22		" " III	
	23		" " XXIV	
	24		" " V	
	25		" " VI	
	26		" " VII	
	27		" " XXV	
	28		" " IX	
	29		" " X	
	30		" " XI	
	31		Message Registry Fr. Palkowitz	
	32		NOF Lindemann	Female Sigs. Assts. Billet
	33		Reception Group IV/VIII	Officials billet.
	34			
	35		Message Registry Fr.Réntsch	
	36		Reception Group D/F hut	(with town billet)
	37		Receiver room	
	38		Transmitter Spare Receiver	

45.

Berlin, 8th May, 1944.

Chi

1 encl.

To Fixed Sigs. Rce. Stn. Lauf.
" " " Treuenbrietzen

Enclosed are the wireless traffic instructions for wireless traffic Freya Gr., III. Exact date for beginning operation of Freya transmitter will be communicated later. FSR Station Lauf and Treuenbrietzen are to monitor this traffic and report reception conditions to this end by phone.

As soon as the transmitter has been set in readiness to operate in Lauf and Treuembrietzen, a report to this end should be made, so that the reception and transmission trials can be ordered and carried out immediately.

You will be informed later of the cypher instructions to be used.

p.p.
[illegible]

Kissen.

46.

13.4.45 1245 hrs.

Wireless message from Berlin

To Labour HQ Grotz -

By order of Wehrmachtführungsstab (Az OKW/WTSt/Ag WNV/Chi No 340/45 Top Secret of 12.4.45) operation as proposed in Schliersee and Sectal.

Wehrmachtführungsstab Amtsgruppe

WNV,

Kettler, Oberst.